

Sequence Listing

<110> Baker, Kevin P.
Goddard, Audrey
Wood, William I.

<120> NOVEL POLYNUCLEOTIDES AND METHOD OF USE THEREOF

<130> P2751R1C1

<150> PCT/US00/20006

<151> 2000-07-21

<150> US 60/145,701

<151> 1999-07-26

<160> 564

<210> 1

<211> 478

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 212, 285, 424

<223> unknown base

<400> 1

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aaatgatac aaggcatagg aagaagaaat taggattata tgctatgtaa 150
gaagcagtat agtggttttt gaaaatagac ttgaattagt tggaaatcca 200
tattgaaaac tntcgggcaa acatttttaa aaaataaaaa aatgatatgc 250
taagaaagaa gagaaaacgg aattacacaa aatgntcaat taaaaccaca 300
aaaggaagca aaagtgtgga aaacaaaaag gggaacaaag aataaggcaa 350
caaacagaaa acagtaacaa atatggtaag cattaatcca actatattaa 400
taatcacttt aaatatcaat ggtntaaata tgtcaattat aagacagaga 450
ttaccagagt ggacacatta tataagct 478
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<210> 2

<211> 682

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 45, 51, 62

<223> unknown base

<400> 2

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nttcccgccc gnttcgggcc cccagtgcc gcccttcgcg ggccggaggc 100
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gcgagtctgg gctttggcgc cttcgcagcc gcaggcgaca tcctctttcc 150
tagctaaagc cccaaacgcc caggtggcct cctgggagag cacggctgag 200
cctccgcctt cagatcagaa caggcagagc ctccaagggc ggcttgggcc 250
cagtgcctgc ttatcctgcc cgtctctcca cacttcttct ttccctgtcc 300
gttggagtcc attccttcct ggaaaagcca aagccgcgct cccctaagag 350
tcatgtgtta ctggattaat tgaaattctt gataggtaac agagttttat 400
catcagctta tgattgccta tgactagctc aaagttaagt tttataaaac 450
tagtaagtac aataaacctc attcctaaat acaaggaaaa gaactatata 500
atgaatactt gtctctatgc ccctctcgca tagataacaa taatttaggt 550
ttacctttta atgaactgca tttaaatgaa attaatttaa atgattgttt 600
cacggcacag tttcatcaat ggtctacggt atcccttatt tatgtataca 650
tcagtttgta tacatctgta tctatgtatt tg 682

<210> 3
<211> 835
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 1, 6, 12, 27, 29-31, 49, 53, 56, 58, 61-62, 66, 68, 71, 74,
78-81, 85-86, 88, 91, 95, 98, 102, 105, 109, 111, 115, 126-127,
131, 139, 142, 146-147, 157, 163, 166, 169, 175, 177, 184,
196-197, 199, 210, 215, 217, 219, 222, 228, 234, 236, 238,
240-241, 244-245, 257, 260, 263, 271, 279, 287, 291-331, 335,
337, 345, 384, 392, 418, 438, 459, 465, 478, 499, 501, 507, 533,
562, 579, 587, 598, 616, 630, 656, 661, 667, 671, 684, 702, 746,
811, 824-835
<223> unknown base

<400> 3
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ganggngnag nngagnangg nggnggannn naggnngnag naggnccnag 100
anggnaagng nttgnaagaa aggganngcc nggtaaaana gnaccnnccc 150
aagaagngat tangngngnt tcctngntga aggntgtgga tcccanntnt 200
ttcccgggan ttatngntng gnaacaanat ttcnangngn nacnnaggca 250
aacaatnaan ttnccaaggt nttggtagna tttcccnegg nnnnnnnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngatntnggg gttntcccc 350
ttccccttc ccctttcccc accccggggg ttenggttg tnaagaaaaa 400
aaaaaaaaa aagaattntg gcgcggcctc ggcggagntg gtgatcggct 450
ggtgcatant cggcntctta ctactggnta ttttggcatt ctgctggana 500
natgttngta aataccaaag tcggcgggaa agngaagttg tttccaccat 550

aacagcaatt tnttttttag caattgcant tatcacntca gcacttgnac 600
cagaggaaat attttnggtt tcttacatgn aaaatcaaaa tggtacattt 650
aaggantggg ntaatgntaa ngtcagcaga cagnttgagg aactgtatt 700
anacggttac tatactttat attctgttat attgttctgt gtgttnttct 750
ggatcccttt tgtctactta tattatgaag aaaaggatga tgatgatact 800
agtagatgta ntcaaattaa aacnnnnnnnn nnnnn 835

<210> 4
<211> 491
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 181, 213, 251, 335, 345-346, 350, 357, 374, 381, 387, 398, 401,
403, 427, 442, 447, 451, 463, 481, 484, 486, 489
<223> unknown base

<400> 4
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tataacagat gcacgcttat ttatacttat gtgtaagtga aataaatggc 100
aaaaatgata caaggcatag gaagaagaaa ttaggattat atgctatgta 150
agaagcagta tagtggtttt tgaaaataga nttgaattag ttggaaatcc 200
atattgaaaa cnttcgggca aacattttta aaaaataaaa aatgatatg 250
ntaagaaaga agagaaaacg gaattacaca aatgctcaa ttaaaaccac 300
aaaaggaagc aaaagtgtgg aaaacaaaaa ggggnacaaa gaatnnggcn 350
acaaacngca aacagtaaca attntggtaa ncattantcc aattatantt 400
ncnattactc taaatatcaa tgtttttnaat atgtctattg tnagacngag 450
nttaccagag agnacacatt atataaggtc ngangngtng g 491

<210> 5
<211> 637
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 4, 12-13, 31, 37, 40, 43-44, 46, 50, 55, 64, 68, 78, 97, 114,
124-125, 137, 148, 183, 185, 227, 233, 236, 238, 264, 266, 268,
276, 322, 325, 334, 340, 345, 417, 426, 428, 472, 474-475,
482-484, 500, 502-503, 509-510, 521, 540, 543, 558, 588-589, 594,
598, 606, 616, 631, 633
<223> unknown base

<400> 5
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ggaanaaaaa tttnaagnta taccaagnaa aaaattaaat tccaagnatt 100
ggattgaatt ccnggggat cttnnagaga tcccttngac tttgaccnaa 150

gggtccggct ttaggggaag aagttggtgt ttngntgggc cctggtactg 200
aagacgcggt cccggtagcc caaagangtt tcntantnac ccaaagcccc 250
gcacccgcct tttntntntt ttcttntggc aggatgagggc gtgcaggcct 300
gggtgaagga gtacttcctg gnaantatgg gaantatggn tatgntaata 350
gtgggtatag tgcctgtgaa gaagaaaatg agaggctcac tgaaagtttg 400
agaagcaaag taactgntat aaaatntntt tcccattgaa ataggccatg 450
aagttaaaac ccagaataaa tnannagcgg annnggatta aaaagacgan 500
tnnacaacnn tgattttgta ngataacta tgggcataa tgnagatttt 550
ttccagangg agctaaacaa agatgttggtg agatatgnng agntatnat 600
taattntcaa gtttgntcac ataggcgagc ntnaaac 637

<210> 6
<211> 969
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 12-13, 25, 46, 49, 53, 64, 94, 118, 134, 140, 153, 155, 164, 172,
175, 177, 182, 184, 191, 210, 218, 221, 223-224, 240, 242, 250,
259, 266-267, 272, 276, 298, 305-306, 319, 339-340, 344, 346,
348, 353, 384, 397, 408, 432, 455, 457, 470, 474, 480, 502, 504,
519, 525, 559, 579, 597, 625, 629, 631, 634, 645, 649, 655, 657,
666, 670, 675, 681, 697, 768, 773, 776, 786, 788, 791, 794, 816,
819, 830, 859, 877, 879, 886, 895, 904, 910, 913, 918, 925,
927-946, 952, 956, 958, 962, 966, 968-969
<223> unknown base

<400> 6
cccccttttc cnnggttttt ttttnggaaa aaaatttcag gggtanccng 50

ggnaaaattt aaantccagg gtttgggggg atttccccgg ggtnccttttg 100

gagttccttt ggacctgnaa caaagggttg gaantaaan aaaaattaaa 150

aanccngggtt tttnggggaa anttnanaat gngnttgggg ncaagaaaaa 200

tgggtttttt gggagggnaa ngnggttca tttccaaatn gnaggggggn 250

aaaaatttna ggcttnnggg gnaggnggaa aaaaatttcg tagcctcnag 300

gttggnattt ttaaacctnc agaaggtggc cagccccggn tcancngntg 350

atnaaggcag atgggaaaag ggggatatgg ggtnataagg gtacctntca 400

cccttttnga aggaaaaaaa gtggtccaca gnatttttgt ttaccaagg 450

gtaananatg gaattttgtn gaanataggn gaatggtgag gcatttgga 500

anangggggg gggttttnt tgaangggg agtaggggta tggtatttta 550

tgggaaaana gttttttggc actaaacct tttgaattac ctaatanatt 600

tatgtggaaa cctgtccttt ttttncagnt naanaaaaat ttttncctnt 650

gaaantnatt tttagnaagn atatnaaaag nattttttttt ttcaagngtc 700
 agaaaccttt tagcatcatt gaagttaaaa tgactgtcca taaacttttc 750
 agaaatagta ggcatttnag gcnacnagat ttgtanangg natnttcata 800
 gaattatacc agtganttna ccacctgaan cctcttggat cccgtaagca 850
 ttctttgcna caaggaaggg aggtatncng ggtaantcct tgaanttttg 900
 gacnggaacn atnacttnga atttnannnn nnnnnnnnnn nnnnnngccg 950
 cngggncntt tntcngnn 969

<210> 7

<211> 952

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 1, 3, 7, 23, 30, 38, 49, 53, 64, 68, 84, 90-92, 109, 130, 147,
 152, 182, 198, 211, 221-222, 228, 239, 243, 255, 271, 300, 303,
 308-309, 314, 322, 331, 337, 340, 345, 359, 377, 381, 385, 412,
 422, 452, 463, 469, 475, 541, 547, 586, 777, 780-781, 784-787,
 789, 798, 802-803, 825, 831, 838, 840, 853, 855, 863, 865, 872,
 885, 889-890, 907, 921-952

<223> unknown base

<400> 7

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 cggggggtnc ttttaggggt tcctttgacn ttgaaccaa ggtttcnggc 150
 cnggaggggg gggggaccgg ttttttcccc cngcgtttcc cccggggntg 200
 ggggttgggg ngcccatctg nngaagtnag tggggaggng gantgggaac 250
 ccggnagttt tggagaaagg naggttcctt ccttaaccct gggggttccn 300
 ggngcccng gagnggcagt tnggggaata ntgtttnagn ggttnggggg 350
 gttttcctng ggtcccgcc aaggggnggt ncttnataaa aggggtgcctt 400
 tttccccaca gnttccaggt cngagaggag ccgcaccgtc gggttggaga 450
 tngcgcgcaa ggnggcttnt ggttnggatt tgccccgcat cggccacagg 500
 aaaagcctgg tccctaggca cggttgtggt tcgagctttt ngttttntcg 550
 aacattgagg tattcgctca gccaccacg ttgtcntcgg ggttattagg 600
 cccagtcac aagccctatg atgttttcag acttcccagg tggagataag 650
 gaaaatttta ctatttctgc agaacttctg ttgatgtaca gcattgtatt 700
 tagcaacttc tgtgtagatc tgaaaataaa tacattacca attgttagtt 750
 gcgtttttat taatataatt ttagagnagn ngannngnt gttagacnta 800
 cnnaggtaaa ttatgtggca ctttngcatt nttgttgntn catgttcccc 850

tgnantttgc ttngngattt cnattttattc caaantcann atagaatgta 900
 atttccnaac ccacagtccg nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 950
 nn 952

<210> 8
 <211> 752
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 4-6, 8, 11, 34, 37, 40, 87, 123, 125, 133-134, 138, 143, 147,
 166, 171, 174, 199, 242, 263, 302, 305, 333, 363, 380, 423, 425,
 463, 527, 534, 539, 547-548, 553, 556, 561, 583, 604, 607, 615,
 618, 621, 624, 628, 638, 641-643, 646, 648, 654-655, 658, 660,
 666, 674, 676, 679, 688-689, 704, 710-725, 727, 730, 735, 739,
 741, 745, 747, 749, 751-752
 <223> unknown base

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 ttaagtgttt tgccaaaaaa attccaagga aaataangcg gagtttgatt 100
 tttcagagtt caacaggaaa aangngaaca aanngccngg agntttnaaa 150
 gttttgggaa agccantttt natntgttca aggaacagtt tttatttgng 200
 atgccaatca gaatttttga cccagtataa tcaaggtcag antttcaacc 250
 taagcctgga ccngacccat aataacggaa agtttaacaa tgactcacat 300
 tntcntaaag tttccagcca gaataggaca cgntcatttg gtcattttcc 350
 cgggccagag ttnttgatg tagagaaaan tagcttttcc caggaacaat 400
 tttgtgattc cgcaggagaa ggntntgaaa gaatacatca agattttgaa 450
 tttggtgatg aanttagcag cagctccact gaacagataa gggcaaccac 500
 acctccaaat caaggaaggc cagattntcc tgtntatgnt aaccttnnag 550
 aantgnaaat ntcccagtat ggtcttcccc canttcttgg gagcctggta 600
 attnagntta ttggngcntg nganactnat atagacanct nnnngngntg 650
 ttannatnan cacagnngga catngnatng aagttggnaa cctcttgctt 700
 ggantcgggn nnnnnnnnnn nnnnnntcn ccgcngggnc nttntngng 750
 nn 752

<210> 9
 <211> 478
 <212> DNA
 <213> Homo Sapien

<400> 9
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 tatacagatg cacgcttatt tatacttatg tgtaagtga ataatggca 100

aaaatgatac aaggcatagg aagaagaaat taggattata tgctatgtaa 150
gaagcagtat agtggtttttt gaaaatagac ttgaattagt tggaaatcca 200
tattgaaaac tctcgggcaa acatttttttaaaaataaaaaa aatgatatgc 250
taagaaagaa gagaaaacgg aattacacaa aatgctcaat taaaaccaca 300
aaaggaagca aaagtgtgga aaacaaaaag gggaacaaag aataaggcaa 350
caaacagaaa acagtaacaa atatggtaag cattaatcca actatattaa 400
taatcacttt aaatatcaat ggtctaaata tgtcaattat aagacagaga 450
ttaccagagt ggacacatta tataagct 478

<210> 10
<211> 279
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 90
<223> unknown base

<400> 10
ttttttttttt ttttttttttg agacggagtc ttgctctggt acccaggcgg 50
agtgcagtgg ccatgatctc ggctcactgc actccagccn ggatgacaga 100
atgagactct gtctccaaaa ataaaataaaa ataaaataaaa agtgatatga 150
acataaaaagt accttaggtc caaacaatga taacaactaa tattttattgg 200
gcgcttactg tggatgcat tgtgttaagc atttcacatg tattttactca 250
tttaatcctc acaaccatcc taaaagggtc 279

<210> 11
<211> 171
<212> DNA
<213> Homo Sapien

<400> 11
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gctccttctt tttattgttc ctctagttat ttctccaga attgatcaag 100
acaattcatc atttgattct ctatctccag agccaaaatc aagatttgct 150
atgtagacg atgtaaaaat t 171

<210> 12
<211> 615
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 53, 62, 104, 109-110, 134, 147, 159, 170-171, 209, 275, 304
<223> unknown base

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 tttttccatn cccattccaa actgggctct ccnccaaag cccttagggc 750
 attgggggca agctgggtccc cttggcaggt tttttcattc gaggttctca 800
 cccccggggg accgggggatc ttccaacacc nnnnggggaac cttgtgtttt 850
 ccactcccca gtcccagacg tgggctgctt ctccagagat gcccgcaggt 900
 tttaaaagtt aaattgatga taactttttt ggctcaagta tagaagtaat 950
 acattatcca ttgtagatta tttataggta aataaaattt tttaatgac 1000
 ttttaacccc actaccaga actaaccacc actggnggta gtaaataaat 1050
 atattgattt acttacaat ataggaccac aagatatggc acatgttttg 1100
 caaccaacct gttttgatag gccagcttg cttctgctgc gctactttat 1150
 ttgcaacca aaccgcttt taaaagaaaa atcatgggtct tgtattttac 1200
 aagtgat 1207

<210> 14
 <211> 789
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 552, 576
 <223> unknown base

<400> 14
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 tttcctctaa gagttagcca ctattatccc ttcagagtgg atattcaggg 100
 ttttctttcc tggcatggac atacatatgt aatgtacat atataaaaat 150
 aattagtac accatgcatg gtagctcacg cctgtaatcc cagcactttg 200
 ggacgctgag gtgagagaat tgcttgaggc catcagtttg aagctgcagt 250
 gatctatgat tgtgcctcta cactccagcc tgggtgacag ggtgagaccc 300
 tgtctcttaa aaaaaaatc gtatttgggg ttagtagtag tacctacctc 350
 ataggttatt atgggatcag tacagtaggc cagacaaagt gcgtatgcta 400
 ttattttgca tgtagtaagt accagcatat actacctgtt atccagaaat 450
 ttgctgaaat gtcccttgta ttttctctct ttcgattttg atcagtcttc 500
 ctagaagtca tcagtttgag ttttttcaaa gaaccagtgg ttggtttaaat 550
 gnatttggtt tgttttcttt tccaangatt tctgctttac tccttaataa 600
 ttcccttttc tgctggcttt gggttccatt tggtctctct tctcttctag 650
 tttcttaagg taaaggctta gatcattgac ttcagatttt ttgtcttttc 700
 taacaagtg tcaaaactat aatataaatt tccctctaag cattgtttag 750

ccacatttca caaatttgga aatgtttatt cattttcac 789

<210> 15
 <211> 294
 <212> DNA
 <213> Homo Sapien

<400> 15
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 tttcaacccc attggttcta ttttcttgta tttttccatt taatttgctt 100
 cataacttaa accaagtctc ttctagtctt aggtattatt tctcgatttt 150
 gtgctgatgg gcatgtttat aagaactgga gaggtgattt attggaatga 200
 actaactgac ttcttccatt cccctcttcc tttttgacat gaattttact 250
 acttcacaaa tgaagaatga tgttatgaag ttaccgtggc aaag 294

<210> 16
 <211> 514
 <212> DNA
 <213> Homo Sapien

<400> 16
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 tccactgagt atgcagctac tatgggttttt gtatgggacg tataaatact 100
 tgattatata cgacagattt taatgtcttt aaagacttcc tgctgtatta 150
 acatattgta atggagtctt ttaaatacta ggttgaattt aattgaagtc 200
 acacacatct tgaagtggta actgcatagt aaatactacc aagagttttt 250
 ttcacgtggg agtatcctaa aactctgcca tgggtgtaaa tgttttacat 300
 taatttcata attggacaga ccctgcattt agcgaaaaca ttttgttttg 350
 aaagtgtgtt ctttttgctg cactgttact gcgtaacact tctcaacatt 400
 ctgtaagtta aattatttta aaataactat ggtgaattca tgtttatttt 450
 tttttacttt gaaaattgta gtactcaggt ggtatttaat gggaaaggat 500
 cctttgggta taaa 514

<210> 17
 <211> 501
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 28, 57, 60, 97
 <223> unknown base

<400> 17
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 ctactanggn ttttgtaagg ggaccgtata aataactgga ttatatncca 100

cagatcttta atgtcttta agacttcctg ctgtattaac atattgtaat 150
 ggatctcttta aatactaggt tgaatttaaat tgaagtcaca cacatcttga 200
 agtggtaact gcatagtaaa tactaccaag agtttttttc acgtgggagt 250
 atcctaaaac tctgccatgg gtgtaaatgt tttacattaa tttcataatt 300
 ggacagaccc tgcatttagc gaaaacattt tgttttgaaa gtgtgttctt 350
 tttgtcgcac tgttactgcg taacacttct caacattctg taagttaaatt 400
 tatttttaaaa taactatggt gaattcatgt ttattttttt ttactttgaa 450
 aattgtagta ctcagggtgg atttaatggg aaaggatcct ttgggtataa 500
 a 501

<210> 18
 <211> 197
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 27, 42, 57
 <223> unknown base

<400> 18
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 tttgtgntga tgggcatggt tataagaact ggagaggttaa tttattggaa 100
 tgaactaact gacttcctcc attcccctct tcctttttga catgaatttt 150
 actacttcac aaatgaagaa tgatgttatg aagttaccgt ggcaaag 197

<210> 19
 <211> 526
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22, 60, 74, 97, 111, 165, 208, 221, 225, 227, 356, 371, 398
 <223> unknown base

<400> 19
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 ggggtttccn ggaactatct gggncctatg gaaatagccc tttaaagngct 100
 tacattcatg ngctacttta acatgaatgg agaaaatccg tttatggaag 150
 tacagtgaca attgncccaa tcaactctgtc catcaaacca ctcaggctag 200
 tttgtacnag tagagttttg nttcnanttt tattttttatt aattttatct 250
 tttttttaat acagattttc agtgaggggc tttttcaacc ccattgggtc 300
 tattttcttg tattttttcca tttaatttgc ttcataactt aaaccaagtc 350
 tcttcnagtc ttaggtatta nttctcgatt ttgtgctgat gggcatgntt 400

ataagaactg gagaggtaat ttattggaat gaactaactg acttcctcca 450
 ttcccctctt ccttttttgac atgaatttta ctacttcaca aatgaagaat 500
 gatgttatga agttaccgtg gcaaag 526

<210> 20
 <211> 379
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 40, 103, 125, 127, 204, 219, 378-379
 <223> unknown base

<400> 20
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 agacgtcctc cgataacaaa aatccttgct tcctctgtct gtgactttac 100
 acncagttgt tcaaagttgt taaangncaa gagtcaatca catccctagg 150
 actacctccc aactctcctg actccttatgt tattgaaaaa acaaacaaac 200
 aanactcct ttatgatgnt attcaacttg agtgggggtt ttttttccac 250
 tttggctcctg gatataatga aatgatacat attaggataa attttctactg 300
 tgtatagtag caatacgaac acacatgcca atgtatcaac atatctactt 350
 ggttacattt tggtttatga taatcgann 379

<210> 21
 <211> 408
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 102, 153, 167, 230, 251
 <223> unknown base

<400> 21
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 aactactacc aaaaagattt caccaattta caactccatc attagtaaga 100
 angcctgttt gcctatagtc tgccaacctg aacccttaaa aatttttgcc 150
 aanctggtag gcaaaantct ttcttttctt tgaatattaa tgaggaggaa 200
 catcttttca tgtttcttgg ccatttgcan ttcctattat gaattgcttc 250
 nggccattt tccttttttt aattatgaaa gtctaatac taccttctca 300
 ttgtataaaa aacacagttc tttgaataga gagaccctt tctccaatgc 350
 taccaatcac attccactta ccacagttta acatacatcc tctagtcacc 400
 tttcccga 408

<210> 22
 <211> 453

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 31, 87, 175, 263, 297-298
<223> unknown base

<400> 22
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tttacttttta tggagttttc aggaaactat tttatancat ctagttatatt 100
agtctacgta tctctattta gtggagcctt ttccctcaa ataatatatt 150
ttatcatttt ttgacttata taaancataa ttaaataaat tttttcttaa 200
tactgttgga ctttgtatat acaagttcag ataacttttt cgaagatagt 250
ttcttatata aangtaattt aatttttttt actcttctat acagttnttt 300
agatgtaaag gaattagcac aatctctggc agttttataa aagctgttga 350
agctcttgct ctgcactgtc tttaggtatc ataggtatca ggtttgcttt 400
gtgttaatgc cacttcaagt cattatttgg tttctgctat ttttttacct 450
gag 453

<210> 23
<211> 356
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 42, 45, 201-202
<223> unknown base

<400> 23
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atttacactc ttttgggggt caagaatttg aatgaagaaa aacaaatcca 100
attaattttg gcttccagtt acttctgata aaatcagtga aggttcttgg 150
attttgaaat ctcagttgtg cattgctttt tttagatcct gccaggttac 200
nnttttttaa ataacatgta caaatcctc tttttcagta tagactattg 250
taagtttttg gaaattgtta tagtcataga accatgatca ctaacaagat 300
atattcccc actccaaagt cctatgtgtt cctttttag ttaacctgtc 350
acccac 356

<210> 24
<211> 498
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 49, 102, 141, 147, 171, 324-325, 339-341

<223> unknown base

<400> 24

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tccagctggt gggcttcatt ctccccttcc tgggatggac cggcgcccat 100
cntcagcact gccctgcccc agtggaggat ttactcctat nccggcnaca 150
acatcgtgac cgcccaggcc ntgtacgagg ggctgtggat gtcctgcgtg 200
tcgcagagca ccgggcagat ccagtgc aaa gtctttgact cccttgctga 250
atctgagcag cacattgcaa gcaaccctg ccttgatggg ggttggcatc 300
ctcctgggag tgatagcaat cttnttggcc accgttgtnn ntgaagtgt 350
tgaagtgtt ggaagacgat gaggtgcaga agataggat ggctgtcatt 400
gggggcgcga tatttcttct tgcaggctct gctatttttag ttgccacagc 450
atggtatggc aatagaatcg ttcaagaatt ctatgaccct atgaccga 498

<210> 25

<211> 466

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 304

<223> unknown base

<400> 25

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gggaatttgt ggtggcaggg aagtaatgta agttgcttta taactcactg 100
tctaacaaag ttttgaaaat ttgtctgata tgtaattagg tacttttaggg 150
ttattagggt ttcataaaaa ttctgggttag ggctcttgcc ctgctcccaa 200
tgaaagcctt tccacagggc aaatataaaa gagagagtag agggaatccc 250
cctgaggttt aaataagtca aaccagtaag taatagtgtc aagtttgtca 300
gtgncctctc tttcttactg tacttaacat cttaaaggga cctcatttat 350
tttcagctaa ttatgttctt tatgagtgc tgc aaatca gggaagggtg 400
tgacgatcat gtggagatac ctttttctaataaatagctgc cttgctcctc 450
aagattctga cgaacc 466

<210> 26

<211> 409

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 30, 36, 68, 77, 119, 235, 248, 250-252

<223> unknown base

<400> 26
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 gcccgcgggc gtgcccangt cccacccntac ttgaaaaatg ttcgccagcc 100
 agtctccttg gcccatgtnc gcagggggcag aagtgggtgcc acaggtacta 150
 ccgaccggac ctgacaatac ctgaaattcc caccaaagcg tggagaactc 200
 aaaacggagc ttttgggact gaaagaaaga aaacncaaac ctcaagtntn 250
 nncaacagga ggaacttaaa taactacgtc caagaattct gtgaataata 300
 taagtcttaa atatgtattt cttaatttat tgcaccaaac tacttgtcct 350
 taagcactta gtctaagtct aactgcaaga ggaggtgctc agtggatggt 400
 tagccgcga 409

<210> 27
 <211> 390
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 37, 42, 62, 79, 81, 129, 132-133, 176, 179, 229-230, 248, 375
 <223> unknown base

<400> 27
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 ctgactagta cataacaggc acccaatant tnnttaattg tggtaaaata 150
 tacataacaa agttaccatt ttaagnatnt aattcagcag cgttacatac 200
 attcaaattg ttgtgcaacc atcaccacnn tccatctccg gaactttnta 250
 tcttcccaag ctaaggctct tggcccatta aacaataact tctaattgca 300
 cccttccttg tccaccctgg tgaccatcat tctgcactct atgaatttgg 350
 ctactttatg tcccccaaat aagtngaate ataccgaccc 390

<210> 28
 <211> 402
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 43, 105, 115, 245-246
 <223> unknown base

<400> 28
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 aattactgtg tccaaaatta tgaggacagt gtcattcatt caccatagtt 100
 tatantctta gttanatate aaacttcctt ggcacctagg ataagaacat 150
 ttcttttgaa gttatccaat ttttttttat ttttacttga cttgaaggaa 200

agttggaaaa tatggtggaa aaaatcttcc gcattaaaag ggtcnntaaa 250
acacaaccat ttacgatctc agtcagcaga tttactctac tcaaggaaaa 300
aaagaaacaa tcttattgga agcagatggt gacactgtgt cagttattga 350
agacggaagg agttcacttg agccattgca gttacaaagg ggtattgatc 400
ga 402

<210> 29
<211> 300
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 39, 47, 112, 134, 142, 144, 149, 177, 183, 234, 251, 257, 287,
297
<223> unknown base

<400> 29
tctgccctg aaatatacaa gggatcatgcc caaattaana caggtnnacc 50
tttgtagagg taaatatggt ggcattatgt attgacattt atgcttcaag 100
catgtcttat tntatgtaat ttttaagaaat actntattta antngtgana 150
tatacctaaa agcatactag ttagctntta gantctcact tagggagggt 200
aaagaaacat cactgatgcc aatatgaaga tttntaaaca aatcctttgt 250
ntagaanttt tttcttttcg tgcacctcac aacacantta ccatcgnacc 300

<210> 30
<211> 540
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 85, 106, 114, 146, 153, 169, 178, 227, 231, 235, 253, 256,
268, 343, 373, 443, 486, 531
<223> unknown base

<400> 30
ggccggttct ttttaagatct ttgacctgan ccaaagtctc ggggaagggg 50
gggttgccca ggtggagtgc atgggggatt ttggnttaat gcaagttccc 100
cttcngtgt taangccatt ttctgtcttc agcttttttg agtagntgga 150
aanacaggcg cccgccaana cacctggnta attttttgta ttttcagtag 200
agacgggggtt tcaccgtggt ttcaatntcc ngacnttggt atccgcccgc 250
ctnggnttg ccaagtgtg ggattataag cgtgagccac cgcgcccggc 300
cgagatgttt tgatacaggc atgcaatgtg aaataatcag atnatagaca 350
atgaggtatc catccctcgt aantttttatc ctttgtgtta ctaacaatcc 400
cgtgaacact ttttttagtta ttttaaaatg tataattagt tantactgac 450

tatagtcac cctgttatgc tgtcaaataa tagatnttat tcattcttac 500

tgtttttttt gtactcatta actgtttctca ncgccgaacc 540

<210> 31

<211> 168

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 56, 61, 112, 156, 165

<223> unknown base

<400> 31

gttttttttt tttgaagcga acttttgcta tattgctaag gctagttttg 50

aactcntggg ntcaagcaat actgccttga cctcctaaag tgcttggatt 100

acaggcatga gntactgcgc ctggcctgca atatgtattt taagctactt 150

ttttntttat tccgnacc 168

<210> 32

<211> 534

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 98, 118, 504, 513

<223> unknown base

<400> 32

tgctgacgcg aatgccccgc gggcggagaa ctgggctccc accgaggagg 50

ctggaggcag gtctgctgtg gttccccctc ccgacctggc agagctgncg 100

ggagctctct gaggtccntc gagagtaccg gaaggagcac cagactacgt 150

gttccctgct cttctgcggc gcctacctct acaaacaggg ctttgccatc 200

cccggctcca gcttccctgaa gtttttagctg gtgcccttgt ttggggcccat 250

ggctgggggt tctgctgtgc tgtgtgttga cctcgggtggg tgccacatgc 300

tgctacctgc tctccagtat ttttgcaaaa cagttggtgg tgctctactt 350

tcctgataaa gtggccctgc tgcagagaaa ggtggaggag aacagaaaca 400

gcttggtttt tttcttattg tttttgagac ttttcccat gacaccaaac 450

tggttcttga acctctcggc cccaattctg aacattccca tcgtgcagtt 500

cttntttctca gtncttatcg gtttgatccc cgga 534

<210> 33

<211> 361

<212> DNA

<213> Homo Sapien

<400> 33

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gaaaattttc tattctgtaa gtctgagcgt aaaacttcag tattaata 100
 atttgtacat gtagagagaa aaatgacttt ttcaaaaata tacaggggca 150
 gctgccaaat tgatgtatta tatattgtgg tttctgtttc ttgaaagaat 200
 ttttttcggt atttttacat ctaacaaagt aaaaaaatta aaaagagggt 250
 aagaaacgat tccggtggga tgattttaac atgcaaaatg tccctggggg 300
 tttcttcttt gcttgctttc ttctctctta ccctaccccc cactcacaca 350
 cacacacaca c 361

<210> 34
 <211> 513
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 25, 81, 107, 357
 <223> unknown base

<400> 34
 acccggcatt agggaggcga ggtgngcaat gtcttaaccc cgggctcaac 50
 cagtcctccg gcttctgctt cccaagggtg ngggattgcc aggctggagc 100
 ccattgngcc cagtctattg tatagtttta aaaaaacaaa accaaaaggc 150
 taataaatgg cacccttttg caagctcttc cccctccctt tctttttcct 200
 tcccagtgte tctactttct ctgacctagt tgacagcatt atacttttgg 250
 atgttggtag catgtataaa gtacattatt acataacaag ttaatataac 300
 ataatagttt caagggtttt gccacttaat tatactaagt tacttaacct 350
 ctcaatncct tatctgtaga ttttgttttt gatagggtgg gatagtaata 400
 gtaactacaa ggtttcacaa ggttgtgaaa ttgaatgaga aatacatggc 450
 actttaacaa gtcactatgg attatttaat ttcttttctt cttcttctgc 500
 tgctgcttct ccc 513

<210> 35
 <211> 445
 <212> DNA
 <213> Homo Sapien

<400> 35
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 taaaagtctg tacatgttca gtacagacac agtctttttg aagtattttt 100
 tatccctcct ttgttgaatc ccatggatgc agaaccatgg atatgaaggg 150
 ctgactatat tctcacagtt atattcaagt tgtattttga atgattttat 200
 gacaatcttt taccaaaggg ccaactgtat tctcatgttt attattcaag 250

ttgtatgaca atttcatatc agccccccag agagttggca tttggattga 300
aatcatactg agtctctaga ttaatttagg gagaagtgac atctttataa 350
ttttgaatct tcctatccat gtatatgcga gtgttttgta tttcagtggc 400
attttcaaatt tttcttcagg taggtctctt agtgtttatt cccga 445

<210> 36

<211> 526

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 25, 50, 60, 123, 127, 370, 395, 397-398, 402-403, 405-407

<223> unknown base

<400> 36

attctcccct cctggatgga tcgcncacc gtcacattgc cttccccan 50
tggaggattn actcctatgc tggcgacaac atcgtgaccc cccaggccat 100
ttaccgaggg gctttggatg tentgcntgt cgcagagcac cgggcagatc 150
ccagtgcaaa gtctttgact ccttgctgaa tctgagcagc acattgcaag 200
caaccctgtc cttgatgggg ttggcatcct cctgggagtg atagcaacct 250
ttgtggccac cgttggcatg aagtgtatga agtgcttgga agacgatgag 300
gtgccagaag atgaggatgg ctgtcattgg gggcgcgata tttcttgttg 350
caggtctggc tatttttagtn gccacagcat ggtatggcaa tagantnntt 400
cnngnnntct atgacctat gacccagtc aatgccagg acgaatttgg 450
tcaggctctc ttcactggct gggctgctgc ttctctctgc cttctgggag 500
gtgccctact ttgctgttcc tgtccc 526

<210> 37

<211> 375

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 220

<223> unknown base

<400> 37

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aatgtgaagg gtcaactccc acgtatgtgg ttatctgtga aagttgcaca 100
gcgtggcttt tcctaaactg gtgtttttcc cccgcatttg gtggattttt 150
tattattatt caaaaacata actgagtttt ttaaaagagg agaaaattta 200
tatctggggt aagtgtttan catatatatg ggtactttgt aatatctaaa 250
aacttagaaa cggaaatgga atcctgctca caaatcact ttaagatctt 300

ttcgaagctg ttaatttttc ttagtggtgt ggacactgca gacttgtcca 350

gtgctccac ggctgtacg gacac 375

<210> 38

<211> 493

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 28, 64, 159

<223> unknown base

<400> 38

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actttccct tggngctgtt ctctgatag tgaataaggc tcaccagatc 100

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tgtaagacnt gcctgcttcc ccctcacctt ctgccagggt tgtaagtttt 200

ctgaggcctc ccagccatgc ttccctgtac agcctgtaga accatgagcc 250

aattaaacct attttcttta taaattatcc agtctcaggc atttctttat 300

agcagtgtga gagtggacta atagagctag ttattagtag agccaagatt 350

taaattcgag cttgctggct cccgagttct actttctcaa accctatggt 400

aagctattgt ccacagcatt caacattggt gaattatctt tgtcaactaa 450

ccttggaagt cttaaatttt gtcctaattc tgtcccctat tcc 493

<210> 39

<211> 123

<212> DNA

<213> Homo Sapien

<400> 39

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cttaatgtta aaatctgaat ttcttttagc attttgctta aaagcaatat 100

gctatttgct tattccgtgc gaa 123

<210> 40

<211> 119

<212> DNA

<213> Homo Sapien

<400> 40

tttttttttt ttttttcttt tgtactgagc tcagcataga ctaatactac 50

cttaatgtta aaatctgaat ttcttttagc attttgctta aaagcaatat 100

gctatttgct tattccgtg 119

<210> 41

<211> 398

<212> DNA

<213> Homo Sapien

<220>
 <221> unsure
 <222> 22, 61, 91, 144, 238-239, 262, 265-266, 271, 274
 <223> unknown base

 <400> 41
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 gcagcacatt ncaagcaacc ccttgcccttg aagggtggtg ncatcccccc 100
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 gtgcttggaa gacgatgagg tgcagaagat gaggatggct gtcattgggg 200
 gcgcgatatt tcttcttgca ggtctggcta ttttagtnnc cacagcatgg 250
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 tgccaggtac gaatttggtc aggctctctt cactggctgg gctgctgctt 350
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<210> 42
 <211> 437
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 87, 97
 <223> unknown base

<400> 42
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 tacaactagg ttttttggta ggaattttat tattagntac caaacanggt 100
 aacatcttta catgccagat tccaaagata ccctagaaga gccagagggt 150
 tgcacttctt ctctctcact ttgcattccc tcctaagaaa tacttgcccc 200
 taactcaaag ggcagaagga gtccagggtc ctttcagcat taaaattctc 250
 tatagttttc tgggagaggc acatgttctg agtgtgagga gaactgttct 300
 gggtattgtt tataaattgt tttcatcttc tatttcttat aacagattat 350
 aaatttatgt tttctgatgc ttcatactat tatgaggatt tggttggcaa 400
 attatcttac aataaccacc catatattca tgcattgg 437

<210> 43
 <211> 499
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 24, 81, 93, 150, 340
 <223> unknown base

<400> 43
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gctgcgggag ctctctgagg tccttcgaga ntaccggaag gancaccagg 100
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gccatccccg gctccagctt cctgaatggt ttagctgggtg cttgtttggg 200
ccatggctgg ggcttctgct gtgctgtgtg ttgacctcgg tgggtgccac 250
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actttcctga taaagtggcc ctgctgcaga gaaagggtgn ggagaacaga 350
aacagcttgt tttttttctt attgtttttg agacttttcc ccatgacacc 400
aaactgggtt ttgaacctct cggccccaat tctgaacatt cccatcgtgc 450
agttcttctt ctcagttctt atcgggtttga tcccatataa tttcatcga 499

<210> 44
<211> 494
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 37
<223> unknown base

<400> 44
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tactgcagat attggtacac ataggtagtg ggcggctgcc tgagagagac 150
catttggtac ttcttttctt atctcaaagc tgcttcagtc tttgtgcaca 200
ggggatgctc agaagcgtgc cttctttcag ggagactggc catgcgcctg 250
agttagatga taacatggag gttcatcaca cgctgtctac ttgagtgtgt 300
ttttggaatt ctccataata aaaagttaaa aaatacaatt gataggtaag 350
agtaattgaa gtagtttcaa attggtttagc tataaaatgc aactatgaag 400
aggattgtag gtaattaaaa tactaagatt gtattgagga gaaatatatt 450
attcagaaca atacctgtga catggcatta gtgacaaata tgac 494

<210> 45
<211> 561
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 28, 35, 73, 88, 153, 198, 292
<223> unknown base

<400> 45
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aaacttacca ccaggggact cgagatgggg aaggaaaggt cagaaagagg 150
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ctccgcccag agccaggcat gcacactcag agtaggtggc ctgtgccacc 250
ggggaagagg ggcgggtcgg cgtgctgctg aagatgccag gnagctgccg 300
gcctgctctg tgcgtgctga aaggtgtggt gagaagcact taaaaaaga 350
aatggactgt gtaggattg cacattttac tttgtttctc ccaaatacgt 400
tctctttgaa tttttttcct tccagggccca ggactggagt gatggttgag 450
acaggcacgc actgggtcct gtctgcattt acattttgag attttgttca 500
gcatggattt tatggcgttt ttttgtttgt ttgtttgttc gttttcaaaa 550
tactgcaccg a 561

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<210> 46
<211> 511
<212> DNA
<213> Homo Sapien
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<220>
<221> unsure
<222> 9, 25, 43-72, 178, 180, 355-356
<223> unknown base
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<400> 46
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nnnnnnnnnnn nnnnnnnnnnn nnatccttgg gtgtgggctg atcaccttga 100
cctcaggtct ttgtgctatt gccctctctg cttttgggca ccttgacctc 150
aggtctttgt gctattgcc tctctgcntn cgggcacctt gacctcaggt 200
ctttgtgctg ttgccctctc tgctttgggc accttgacct caggtctttg 250
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ttgccctttc tgctttgggc accttgacct caggtctttg tgccgttgcc 350
ctctnngctt tgggcacctt gacctcaggt ctttgtgctg ttgccctctg 400
tgctttgggc actcttcctc agacctgtgc atcacattcc ctctcttcag 450
ctctctgctc aaatgtcacc tccttcctga catcttcctt gaccatccta 500
gccaaaatac c 511
```

```
<210> 47
<211> 470
<212> DNA
<213> Homo Sapien
```

```
<220>  
<221> unsure  
<222> 113, 450  
<223> unknown base
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<400> 47

cgccctagcc ctctgtgatt tcataatgct ggaagtatgc ttttttataaa 50
 agttttaaatt cttgcccatt tttactgtag cggaataaa tacatgctag 100
 tattctgaga gtnntatgaa actagacata aaacaagtta aaattaatgg 150
 ggaaatggct agatgtccat gactgtcaga gtcagtacat tgtcagtatc 200
 ctccagaaat gtcactgata ttaagcaagc tgagttatct ccggcgttga 250
 atccatgaag aatgataaat gttttctcat catacttatt cttagaatgt 300
 tgtgatactt ttgatatttc agttactcgt ctttaaaagg ggagtgcctt 350
 tccctggggc ttgcctaaga gaagaaagaa agactatatt aagacagaaa 400
 acatggacat tttaaagaga cgaatacact gctatgtgaa ataccagttt 450
 tactcagtaa actccctcga 470

<210> 48
 <211> 543
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 46, 65-66, 80, 144
 <223> unknown base

<400> 48
 gcaggcccaa agaagaagct caggctgaaa tgaaccgtac cgcctnccga 50
 gggagaaaga attcnnggcc aaggaagctn cggcattggg atcccttggc 100
 agttgcagcc actgaagtgg agaaggagac ccaggagaag atgncctcct 150
 ccagacatac ttccggcaga acgggatgaa gtctggacaa cctcttggct 200
 tttgtctgtg acattcggcc agaatccctg aaaactaccg cataaatgga 250
 tagaagagag aagcacctgt gctgtggagt ggcatttttag atgccctcac 300
 gaatatgagc ttagcacagc tctagttaca tcttatgata tggcattaaa 350
 ttattttccat atattatata ataggctcctt ccactttttg gagagtagca 400
 aatctagctt ttttgtacag acttagaaat tatctaaaga tttcatcttt 450
 ttacctcata tttcttagga atttaatggg tatatgttgt ctttttttcc 500
 tatgtctttt ggctcaagca acatgtatat cagtgttgac cga 543

<210> 49
 <211> 485
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 14, 484
 <223> unknown base

<400> 49

cggacgcttg ggcnegcgcca gcgccagcg ctagtcgggc tggtaagtgc 50
ctgatgccga gttccgtctc tcgggtcttt tcctgggtccc aggcaaagcg 100
gagcggagat cctcaaacgg cctagtgtct cgcgcttccg gagaaaatca 150
gcggtctaata taattcctct ggtttggtga agcagttacc aagaatcttc 200
aaccctttcc cacaaaagct aattgagtag acgttcctgt tgagtacacg 250
ttcctgttga ttacaaaag gtgcaggtat gagcaggtct gaagactaac 300
atgttgtaga gttgtaaaac agaaaacctg ttagaaatgt ggtgggtttca 350
gcaaggcctc agtttccttc cttcagccct tgtaatttgg acatctgctg 400
ctttcatatt ttcatacatt actgcagtaa cactccacca tatagaccgc 450
gctttacctt atatcagtga cactgggtaca gtanc 485

<210> 50
<211> 525
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 255, 319-334
<223> unknown base

<400> 50
catgggtggtg cgcaactgta gtcccaggta cttgagaggc tgagggtggga 50
ggatcatctt aaccccgagg agatggaggc taaaatgagc tgtgttcaca 100
ccactgtacc ccagcctggg caacagaata agacgctgtt tcaaacaaaa 150
atgtgtaact caaaaacagc aaaatgctta gttctttgta aatgcaacat 200
tttaggctac tgtttatttg ccaatagaac ttttttttct ctctctctcc 250
ttatntgtaa acttagctat atatgtttct cactcttggg tctgtgtact 300
tcaaaatctt ttagaaatnn nnnnnnnnnn nnnnaaaaaa aaaaatggaa 350
taatacaaaa ttatactaag attcattcat gttatTTTTT gtggctgcag 400
tgcattcatt tccactatat agtatttcat tgtctgatgt accagaattt 450
atccactctc tttttgatgc atgtttggat ttgcagtctt ttgctttatg 500
aaaagtgtg ctgtaaaaat tatta 525

<210> 51
<211> 150
<212> DNA
<213> Homo Sapien

<400> 51
tttttttttt tttttttggt ttgttggtgt tgtagtagtc tgggtgctggc 50
cacatttaag tcttaaaaaat ttttaaattt tggttggtgat gtttgtagac 100
agccctgttg ttgaaatcat ggctttattc attttattta ttttcgaacc 150

<210> 52
<211> 179
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 31, 43, 133, 162
<223> unknown base

<400> 52
tttaatatgtt attcgtcttc tggtgtatag ncatttaagt tgnttatatg 50
tttctgttat taaccctttg tcccacgtat gatttgcaaa tattttctcc 100
catttttttt cagttgtctc attttgttga ttntatcaga ttccatgaag 150
cagcttttta anttcaagaa aaacgaatc 179

<210> 53
<211> 324
<212> DNA
<213> Homo Sapien

<400> 53
cggaagtccc ttgaggagcg tcagaagcgg cttccctacg tcccagagcc 50
ctattacccg gaatctggat gggaccgctc cgaggagctgt ttggcaaaga 100
tgaacagcag agaatttcaa aggaccttgc taatatctgt aagacggcag 150
ctacagcagg catcattggc tgggtgtatg ggggaatacc agcttttatt 200
catgctaaac aacaatacat tgagcagagc caggcagaaa ttatcataa 250
ccggtttgat gctgtgcaat ctgcacatcg tgctgccaca cgaggcttca 300
ttcgttcatg gctggcgccg aacc 324

<210> 54
<211> 391
<212> DNA
<213> Homo Sapien

<400> 54
cccactcaga tctactgaaa ctgaaaacct gggagcaggg cccagcaatc 50
aagagttttt aacaaacct cctggtcatt ttgatgcaca cgcaagtttg 100
agaacctgtg cccttttagga ggatttcctt ttctcacta aaagccccct 150
gaaagatgcc tccaggggtat gcctctgtgc cctactgcc actgctgctt 200
tcctgtttcc taggaatccc ctttatgaag taccatcct ccagaaagat 250
ttcttaccta ccttgaaagg atcttggtt ctccacaagg ttactccatc 300
ctctgagcag ttatttccga ttctactttt gaatggtttc ttttcagatc 350
ttctcagtg ctttctcttt ctggctaccc ctcaagccc a 391

<210> 55
<211> 280

<212> DNA
<213> Homo Sapien

<400> 55
atatatatat aaatatagaa atatatatat agaaatatat atatatctct 50
ctccatatcc aaaagcaaga ttacaaattt cagttgaggg taatagcact 100
taaagtagga acagagattc tttatgtgtt agcataattc ttttttatta 150
caattctgtt actaaagaat caggtgtcat taaagggtgaa catgggttacc 200
ttcaccttct gcacagcagt ttttcatata cttgaagaca ttaaattccc 250
ttccccatcc aacttaatct tttccagcga 280

<210> 56
<211> 485
<212> DNA
<213> Homo Sapien

<400> 56
cggacgcgtg ggcggacgcg tgggtggcct tagagtagtt ttttgagcat 50
ttattgtgct tgggtgttctc tgaacttcct tagatctgtg gtttggtgtc 100
tgacattaat ttggataaat tttcagtcac tgttggtttta aatatttctt 150
ctcttccttt cttctcctct tgggtactttc atgtgtttat attacacctt 200
ttgtacctgt cccagagttc ttgggtatta tcttctgttt ttttttgggc 250
cttttttttt tccctttggg tttcagtttg tattgataca tccttaagct 300
cagagattat tctttttttc agcgggtgtcc actctcctaa tgagcccatc 350
agtggcattc ttcatttctg tcaccatgct ttgctctctg gcacttcttt 400
tcattttttt cttagaattc ctatctccct gctcatgctg cccacctgtt 450
cctgcaagct gcctactttc tccattagag tcctt 485

<210> 57
<211> 260
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 42, 53, 93
<223> unknown base

<400> 57
tgggtgtcttt cccaccacag cccngagagt cagtcatttt tncaaagaag 50
ccntgggttg ctttgtggag aatgatatat gttattatta ttntccgcag 100
ccaacatgac cgctcctctg gtgtctttcc caccacagcc cgagagtcag 150
tcattttttca aagaagcctg gttggctttg tggagaatga tatatgttat 200
tattattttt tgttttgtta tgttgtgttt tttagacagt ctgctcttt 250
gcccagccga 260

<210> 58
<211> 344
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 17, 66, 76, 92, 148, 174, 178
<223> unknown base

<400> 58
ggagtaaaaa gactgtnaaa catttttttt taaaaaatta tttttacatt 50
acgacaatat atttanggat gtgttnagat caaaaattaa anttctgtgt 100
cccagatcta ctttcaaagt gagattttca cttgtcagct taaatttntg 150
actagaacta acatttgtgt attnttgngc ttagtcggaa tacaaatttc 200
acagtggatt tttgaagttt gtccttaa atggataaa caagtgatta 250
aagttactaa agagataaaa atggtaattt ccatttttaa aagtaatttg 300
gttgtgttta tagttatttg tacaagtatt tatcacagcg aacc 344

<210> 59
<211> 495
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 39, 58, 130, 234, 314, 364, 427, 450, 461, 476
<223> unknown base

<400> 59
agcaatgccc tgccccagtg ggaggattaa ttcctatgnt ggggacaaca 50
ttgtgacngc ccaggccatg tacggggggc tgtggatgtc ctgctgtctg 100
cagagcaccg ggcagatcca gtgcaaagtn tttgactcct tgctgaattt 150
gagcagcaca ttgcaagcaa cccgtgcctt gatgggtggtt ggcattcttc 200
tgaggagtgt agcaatcttt gtggccaccg tggnaatgaa gtgtatgaag 250
tgcttggaag acgatgaggt gcagaagatg aggatggctg tcattggggg 300
cgcgatatct cttnttgag gtctggctat tttagttgcc acagcatggt 350
atggcaatag aatngttcaa gaattttatg accctatgac ccagtcatt 400
gccaggtacg aatttggtca ggctttnttc actggctggg ctgctgcttn 450
tttctgcctt ntgggaggtg ccctantttg ctgttcctgc gaacc 495

<210> 60
<211> 266
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 37, 56, 116, 190, 210

<223> unknown base

<400> 60

aacttgctcag aggcaagtgt ccagagtttt gctatanatt cattatggaa 50
ggtttnacct tattgaaatg acagttcccc accttttagca ttttatattg 100
ttccattaac tgtcanacaa acattcctgc aaaatatcag ttcaggaacc 150
aaacttactt tccctgagat ggtaaccgtt tcacagcctn tcatattgct 200
gcttcattan gtgatgaagt ctaaacacgt aaatgggtgac cagttaaaac 250
acacacctgc cgaacc 266

<210> 61

<211> 421

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 3, 5, 22, 142, 147, 186, 198-200, 205, 260, 296, 306, 314

<223> unknown base

<400> 61

ccnanggggc cggttttttt gnatttttag tagagacggg gtttcacat 50
gcaagcccag ctggccacgt aggttttaaa gcaaggggcg tgaagaaggc 100
acagtgaggt atgtggctgt tctcgtggta gttcattcgg cntaaanaga 150
cctggcatta aatttcaaga aggatttggc atattntttt cttgaccnnn 200
ctctntaaag ggtaaaatat caatgttttag aatgacaaag atgaattatt 250
acaataaatn tgatgtacac agagtgaac atacacacat acaccntaat 300
caaaangttg gggnaaaatg tatttggttt tgttcctttc atcctgtctg 350
tgttatgtgg gtggagatgg ttttcattct ttcattactg ttttgtttta 400
tcctttgtat ctgaacgaac c 421

<210> 62

<211> 390

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 35, 37, 79, 91, 98, 155, 162, 170

<223> unknown base

<400> 62

agagacgggg tttcaccatg caagcccagc tggcnangta ggtttttaaag 50
caaggggctg gaagaaggca cagtgaggna tgtggctggt ntcgtggnag 100
ttcattcggc ctaaataagac ctggcattaa atttcaagaa ggatttggca 150
ttttntcttc tngacccttn tcttttaaagg gtaaaatatt aatgtttaga 200

atgacaaaga tgaattatta caataaatTT gatgtacaca gactgaaaca 250
 tacacacata caccctaatac aaaacgttgg ggaaaaatgt atttggtttt 300
 gttcctttca tcctgtctgt gttatgtggg tggagatggg tttcattctt 350
 tcattactgt tttgttttat cctttgtatc tgaacgaacc 390

<210> 63
 <211> 448
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 25, 61, 77, 80, 93, 147, 175-176, 234
 <223> unknown base

<400> 63
 tcttttagaga tctttgactt gaccnaaggg tccgcaaagg gttcggggtt 50
 tttgtatttt nagtagagag gggtttnacn atgcaagcca agntggcaaa 100
 gtaggtttta aagcaagggg cgtgaagaag gaaacagtga ggaatgnggc 150
 tgttttcgtg gtagttcatt cggcnnaaat agacctggca ttaaatttca 200
 agaaggattt ggcatttttt tttcttgacc cttntcttta aagggtaaaa 250
 tattaatgtt tagaatgaca aagatgaatt attacaataa atttgatgta 300
 cacagactga aacatacaca catacaccct aatcaaaacg ttgggggaaaa 350
 atgtatttgg ttttgttctt ttcacctgt ctgtgttatg tgggtggaga 400
 tggttttcat tctttcatta ctgttttgtt ttatcctttg tatctgaa 448

<210> 64
 <211> 245
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 73, 114, 120, 122, 184, 205
 <223> unknown base

<400> 64
 gtgtgtgtgt gtgtgtgtgt gtgtatgtgt atatatatat acatatatat 50
 acacatatgt atgtatacct aantcctaaa gtggaacagt aagagtcatt 100
 atttatagat tatntgattn tntatgtgga aagagaaaag aatcatatta 150
 agtacttttg actgaacaat gacccccaaa attngtatga tgatgaagct 200
 ctctntaaat attttcttgc tttactggac tgattttaac ccgct 245

<210> 65
 <211> 381
 <212> DNA
 <213> Homo Sapien

<220>

<221> unsure
 <222> 21, 59, 65, 80, 116, 155, 180, 188, 202, 223, 236, 246, 341, 361
 <223> unknown base

<400> 65
 agggatccag gttggttagag naatcccggc cggtttccca gagatgttta 50
 accagcacnt gcttntgaga ctctgttttn tgttccagca accctgggtg 100
 ggggggtcaga cttganacac tttcagggtg ggagtggacc caccaccagg 150
 cctgntgagg acagagcagc caggccgctn tggctaantt tgcagttggc 200
 antgggttgg ggaggaagag agntgatgag tgtggnttcc ctgagntggg 250
 gtttccctgc ttgtccagtt gtgagctgtc ctcggtgtta ccgaggctgt 300
 gcctagagag tggagatttt tgatgaaagg tgtgctcgct ntctgcgttc 350
 tatcttctct ntcctccttg ttcttgcaaa c 381

<210> 66
 <211> 321
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 28, 36, 144, 146, 161, 170, 205, 210, 213
 <223> unknown base

<400> 66
 acttaaaaat attgttgagt tctaaacnga tttttngtat atatcataca 50
 tagaaaatat taaatttttg ttctaaaaca accaaaaatg gagcatacat 100
 ttagagtggc atttgttgca tattattaaa caaatgaaac tgantntttt 150
 ttcattcctga ngcagattan atcccatttt aatctttttc ctctctcctt 200
 ttctnaaccn acntcagagt atcctgtaac agctgtccct atagttttca 250
 aggaaagtga taataatgag attacttctt ctttcategt ttattttttt 300
 gggaggatgg ggaaaccaca c 321

<210> 67
 <211> 123
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 53, 75, 100, 110
 <223> unknown base

<400> 67
 tcccctgaat attcaggagg gagaagcaat cggcccagga cagagacggg 50
 ganatcccag gagcagggtg caggnttttag caatatccat cttgcggtan 100
 tccctccctn acaacaacca gac 123

<210> 68

<211> 521
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 66, 73, 97, 116, 134, 182, 187, 262, 364, 432, 477, 507
<223> unknown base

<400> 68
aatgaccta taaataagtt ggtttgggan attattatth ttttagcatt 50
atthtttaaaa tagatnatgg ttnatattta attggaattc cataatntaa 100
tgtactgata ggtaanttgt gtggaaattg tttngcagac ataaattact 150
aaataaatgt tctgttttca gatagtttag tntttgngac attaagtatt 200
gggacagatt gttttgactc caattaatat tctgaaattt ttctcctttc 250
attacctacc tntccattat gcctcagttg taacggtgag taaaactatt 300
tttgtgtctc atacttttctt tatcttttaa ctttgtttta cacagtaatt 350
atthttcaacc attntttgct aactgcacct cgctgcatgg ttcttctctg 400
tgtcccacca accagccgcc acatthttacc anatgttccc agtgttcatg 450
ggccctttcc acccttgtct caaaatntcc ctattgattt tattttgctt 500
ttgttantcc cttcaaacgc c 521

<210> 69
<211> 382
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 155, 170
<223> unknown base

<400> 69
agagacgggg tttcaccatg caagcccagn tggccaagta ggthtttaaag 50
caaggggctg gaagaaggca cagtgaggta tgtggctgtt ctctgggtag 100
ttcattcggc ctaaatagac ctggcattaa atthcaagaa ggatttgga 150
ttthntthttc ttgacccttn tctthtaaagg gtaaaatatt aatgtthtaga 200
atgacaaaga tgaattatta caataaattt gatgtacaca gactgaaaca 250
cacacacata caccctaate aaaacgttgg ggaaaaatgt atthggthttt 300
gttctthtca tctgtgtgtg gttatgtggg tggagatggg tttcattctt 350
tcattactgt tttgtthttat cctthgtatc tg 382

<210> 70
<211> 405
<212> DNA
<213> Homo Sapien

<220>
 <221> unsure
 <222> 33, 43, 58, 98, 110, 122, 125, 191, 226, 232, 234, 251, 321
 <223> unknown base

<400> 70
 acaccaatgc agtgaggctg gggattcccc aantggatcc atngcaccag 50
 gttcaagnta acccccaagg cagttttttt ttccaaaaca ttaacagnta 100
 agtgtttgtn tgggcccaatt tntcntacca agtttaaatt aaccaacatt 150
 ttttttttaa aaccaaaaca caaggaagac taaccacgtg nttccaggaa 200
 tggcctgtat ttacccaacc actttntata cntnttttcc aaccaaaggt 250
 nttaatatgg gaatatccct caccacgac ctaatactgt cagtagctgt 300
 cctgctgtcc acagcagccc ntccgagctg ccgtgagtggt tatcagtttt 350
 tgcactacag aggggagatg caacaatact ttacttacca tactcatata 400
 gaaag 405

<210> 71
 <211> 526
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 26, 44, 54, 143, 244, 351, 504
 <223> unknown base

<400> 71
 gttcaggacc aagcggtaag aaggcntgag gaccagggcc ccantggagc 50
 agtntgtcct tatgccgaat caaggcggaa catgggtgaa agacgagtaa 100
 ggggcaaatac acagaatatt ccacagcgcc ctccagagtt acntggggag 150
 gaccgaggcc acacgccact gccccgagg ccagagtgtg agtaaaggat 200
 aaccaggact cgctgggaga gatggattct gtcctcagca acantccaca 250
 gcagaaaggg gtagcaggta ccccttttta tcagcggtaa aaatgcattt 300
 acaacctttc atttaaccga aaaacacaga ccgctttaac ctttttatatt 350
 ntgtcccca ctgcatgaac atttatacaa ttttaaaaat acttcctcat 400
 aggatgcttt ggcccttcat ctatttaatac atagctacat acctattttt 450
 tataagtagc agtacacatt caaaggggta ttcctagctc aatgcttggt 500
 gttntagttc aacttttatc ctgcag 526

<210> 72
 <211> 366
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure

<222> 24, 274, 348
<223> unknown base

<400> 72
tagaaataac ccttttcctt attngatttt agtcatcaaa catagtatga 50
tatgggaaaa gtcagccatt taccagaaat tatcttattt tgattttaaa 100
aactcatttc tatatgtagt tattgtaatg tctatttttt tagacttaaa 150
gatttataga agactatagt tatctgattt gttatttggc attttttcat 200
tctgtaaatac tttgcttatg gcacattgtg ctctctgttt tccatggttt 250
tattcattta tctcctccta tttngagggg acaacatggg tagttaaatc 300
tttgtcaata gtattggaga taacactaac tgctattatc ataacatntt 350
catttttact gcatgc 366

<210> 73
<211> 634
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 10, 59, 62
<223> unknown base

<400> 73
ggactgaatn cacttgtaat ggtgaccact gaaagctgca gagggacagt 50
aggtatttna tnaaatgcct tatatggcat tctatatgaa gaacctctga 100
acccaaagta tattatttag aaagaaagat aaagagatat aagcaaagta 150
agaatatatc ttaaaagtat cttataaacc attaacttat agtggtaaga 200
taaaccctct atcagcagga aaatacctgc atatgcatac ataaggaaga 250
ctgtgcacct aatctaggga tacataataa ggtggactct gtattagtag 300
taagtatttt tataaaataa tacttagaac aaattatata agataattat 350
aaatattaag atctttatat tgcattgctt ctgacttaaa aaatgaataa 400
ataaatgggg tcttgctatg ttaccagggc tggaatgcag tggctattta 450
caggcacaat catagtgcac tacagcccca aactcctggg ctgagcaat 500
cctgttgccc agcctcccag gtagctggga ctatatataa gcaggcacca 550
ctgtgcctgg ctgcttctga ctaatccaag taagaataat aaatctatga 600
caaagttata cacaatctcc taccctacc tcag 634

<210> 74
<211> 493
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 31, 42, 60, 114
<223> unknown base

<400> 74

atggaaccca gttggaaacc actcttcacg nttatattatc cnggggaact 50
tcccccaacn tagccaaggc ttcgggttgag ttctcactcc aaaggtggga 100
actggaccat gggnacactt ggacacggat ggggaactca cacaccgggc 150
ctgtcttggg gtggcggtag ggcgtagcga tagcatagga gatacaccta 200
atgtaatgac gagttatggg tgcagcacac caaatggcac tgtatacgta 250
tgtaacaaac ctgcacttgt gcacatgtac tctagaactt aaagtataat 300
ataaaaatatt taaaaatttt aaaaaataa aaaaatcact gggctaaagt 350
aaataagtat tttactgggt ctaagattgt ttttcagaga gaaaaacaat 400
agaagtgtag aagcaattcg ataaagaaag gagtcttttc aacaaatggt 450
gctgcaacag tcaaattgtct gtatgcaaaa aatgaacct cca 493

<210> 75
<211> 255
<212> DNA
<213> Homo Sapien

<400> 75

tggaaaaaaa aaaaaaagc cccttttcag tttgtgccac tgtgtatggt 50
ccgtgtagat tgatgcagat tttctgaaat gaaatgtttg tttagacgag 100
atcataccgg taaagcagga atgacaaagc ttgcttttct ggtatgttct 150
aggtgtattg tgacttttac tgttatatta attgccaata taagtaaata 200
tagattatat atgtatagtg tttcacaaag cttagacctt taccttccag 250
ccacc 255

<210> 76
<211> 627
<212> DNA
<213> Homo Sapien

<220>

<221> unsure

<222> 20, 47, 56, 66, 144, 163, 169, 294, 367, 395, 583

<223> unknown base

<400> 76

tttagggttc cttgacttgn accaaggttt cggggaaatt taaaggntta 50
aggaanggga ggaaangttt cttaaatttg gaattaacag taataatttt 100
tggaaattcc aataaaattg gcaaaagatt gggaaatttt ggangaataa 150
gggaaacaga tanttttcng ggtattcagg taaagtttaa aaaaggtttt 200
aaaagagagt ttttctaaca ttttgaaaag caacatgaaa aatgaaaaca 250
gttttaacag atatacaata tggatgactt atatacaaat gacnttaaaa 300

tatattaaat tcattatagt agttatatatt aagtaaaata tgatgaaatt 350
 taatagagat tcactcntcc caaaagcacc ttcatggaag attcntcatt 400
 aacaggcagt ccttttagtat gctgatttat acaaaatgct gaaaagaaga 450
 gaaatacccc aagttcttga aaaaaaattt ttgatatga ctactctaac 500
 agtaataact ataaatctca ctttaaataa tttaaaca aaattaaagtga 550
 tatatgagtt aaatgaccaa gcagacttga ttntaggaat gttaaggaat 600
 gttcattatt tgttttggat aatgaag 627

<210> 77
 <211> 507
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 58, 60, 98, 107, 116, 240, 276, 432, 500, 502
 <223> unknown base

<400> 77
 ttgaaaagt ttaaaaggga ggaagtgggt ttatgattt ggccgtttcc 50
 gggtgccttn cagagagttc cttgccttcc ctgcccttga aggtgacntg 100
 tggcccnttt gggtgntgat ggacctgtgt tcccaccctg gttcaaaaag 150
 caaagaaaag ggagtgggtat cagaaaatgg aagaagagag taaagaagac 200
 agtgctggct tgagagaagc agtggcttca ggtaaaaggn tactgccagc 250
 gatatggacg ggagacagag aaatgntaga agagggcggt tcccccaaca 300
 agggcccacc cacaagcctg gacacctgtg gccctaaatg agaacaggca 350
 ttctgttttt tgcacccaaa aagtggtttt ttggtatgcc acacccctta 400
 tcctataccc atataaacc tgaaccccag gntccagctc agaccagcag 450
 aggaggagac gagacaagca gacaatgcag aacagtgcag cagagagaan 500
 tngagag 507

<210> 78
 <211> 478
 <212> DNA
 <213> Homo Sapien

<400> 78
 ccacggtgtc cgttcttcgc ccggcggcag ctgtccccga ggcgggagga 50
 gcccgagggg cgcgagcccc gcatgaatca ttgtagtcaa tcattttcca 100
 gttctcagcc gttcagttgt gatcaaggga cacgtggttt ccgaactgcc 150
 agctcagaat aggaaaataa cttgggattt tatattggaa gacatggatc 200
 ttgctgccaa cgagatcagc atttatgaca aactttcaga gactgttgat 250

ttggtgagac agaccggcca tcagtgtggc atgtcagaga aggcaattga 300
 aaaatttatc agacagctgc tggaaaagaa tgaacctcag agaccccccc 350
 cgcagtatcc tctccttata gttgtgtata aggttctcgc aaccttggga 400
 ttaatcttgc tcaactgccta ctttgtgatt caacctttca gcccattagc 450
 acctgagcca gtgctttgtg gagctcac 478

<210> 79

<211> 637

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 17, 54, 66, 113, 124, 160, 163, 165, 170, 179, 204, 259, 299,
 382, 384, 487, 634

<223> unknown base

<400> 79

gtttgtccct ttttcngtt ttttttggac aaattcagta taccaagcaa 50
 catnaattcc agtttnggtg gattcccggg gtcttttggg atccttgact 100
 tgaccaaggg tcnggcctt ttengttggg acgtttgtaa gttttgggca 150
 gtttccgggn gantngggan tcgggtttng ctttctgtgt tccattcgcc 200
 cggngcgggtg gtgcaggttt tcgggctagt catgggtccc cgtttcggag 250
 actgcagant aaaccagtca ttacttgttt caagagcgtt ctgctaant 300
 acacttttat tttctggatc actggcggtt tccttcttgc agttggcatt 350
 tggggcaagg tgagcctgga gaattacttt tntnttttaa atgagaaggc 400
 caccaatgtc cccttcgtgc tcattgctac tggtagcgtc attattcttt 450
 tgggcacctt tggttgtttt gctacctgcc gagcttntgc atggatgcta 500
 aaactgtatg caatgtttct gactctcggt tttttgggtc aactgggtcg 550
 tgccatcgta ggatttggtt tcagacatga gattaagaac agctttaaga 600
 ataattatga gaaggctttg aagcagtata actntac 637

<210> 80

<211> 294

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 18, 42, 105, 198, 205, 266

<223> unknown base

<400> 80

ggcggatatc tttttgcnag ttgcaattgg gggcaaagg gnccttgag 50
 aataattttt ttttttaaaa tgagaaggcc accaagtccc cttggtgatc 100
 attgntactg gtaccgtcat tatttttttg ggcaccttg gttgttttgc 150

tacctgccga gtttttgcac ggatgctaaa actgtatgca atgtttcnga 200
 ctctngtttt tttggtcgaa atggtcgctg ccatcgtagg atttgttttc 250
 agacatgaga ttaagnacag ctttaagaat aattatgaga aggc 294

<210> 81
 <211> 436
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 53, 58, 78, 148, 162, 253, 281, 336, 399
 <223> unknown base

<400> 81
 gtatggcaga ggataaggcg ttatgagaag ctgccaaagct tcagatgtgc 50
 agntgggntg aataccgacg ccagcgcnta gcgcccatta ctttgcaccc 100
 acacttagga aacaacccac gcctcaccgc gggacccgga cccagccntc 150
 cagcaccag cntccggttc cgacgtccgc gcgtgacctc cgggtaccgg 200
 aggaccttgg gacgaggagg tccctccgct ttccggtagg atatatctgc 250
 atnttgaaag gaagataaaa caaaagcctt ntttggaata gatggatttt 300
 tgtcactttc tgtgtgaact aaagtgattc aatgtntctt ttggattgct 350
 tctgcacttc aagaacacaa gttgaatcac tcagacctga aaaacagtnt 400
 gaaaccagta tccatcaata cttggttgat gagcca 436

<210> 82
 <211> 670
 <212> DNA
 <213> Homo Sapien

<400> 82
 actgatcaaa ggcaggcgat acttcctgtt gccgggacgc tatatataac 50
 gtgatgagcg cacgggctgc ggagacgcac cggagcgctc gccagccgc 100
 cgcctccaag cccctgaggt ttccggggac cacaatgaac aagttgctgt 150
 gctgcgcgct cgtgtttctg gacatctcca ttaagtggac caccaggaa 200
 acgtttcctc caaagtacct tcattatgac gaagaacctc tcacagctg 250
 ttgtgtgaca aatgtcctcc tggtagctac ctaaaacaac actgtacagc 300
 aaagtggaag accgtgtgag ccccttgccc tgaccactac tacacagaca 350
 gctggcacac cagtgcagag tgtctatact gcagccccgt gtgcaaggag 400
 ctgcagtacg tcaagcagga gtgcaatcgc accacaacc gcgtgtgcga 450
 atgcaaggaa gggcgctacc ttgagataga gttctgcttg aaacatagga 500
 gctgccctcc tggatttggg gtggtgcaag ctggaacccc agagcgaaat 550

acagtttgca aaagatgtcc agatgggttc ttctcaaagt agacgtcatc 600
 taaagcacc c t gtagaaaac acacaaattg cagtgtcttt ggtctcctgc 650
 taactcagaa aggaaatgca 670

<210> 83
 <211> 427
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 21, 131, 150, 225, 352
 <223> unknown base

<400> 83
 aggccttcat tccccaccta nggagttaat tttttggatt aaaagggtttt 50
 tagaactttt tgttgatggt tggttttatt aaggcccga agaaacattc 100
 agattcgatt gaggaccagg aaatggcctt ntagggaaga gaaggcattn 150
 tgctagatgg cttttaaaaa tatttccgcc agagtcactt gtctcattaa 200
 caacagtttt tgtcttagaa gtctntctgt gattttataa actagcatga 250
 ttttgttatg aatgcatgct gctctgggtc tctaataagc ccaacatgca 300
 tttgcatcat gtcggcaata agcacttttt ttgctgtggt aacaatgtca 350
 tnttcattgt tgtgtgctg tgttttgact gtgacctgtc acatgagggt 400
 ggggtgtggaa ttttccactt gtggcaa 427

<210> 84
 <211> 371
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 178
 <223> unknown base

<400> 84
 tctttggagc tgcaggaggg acggatggcg gaaccttcca gtccccttca 50
 gaggcgactg ccactcgccc ggccgtgctt ggactcccta cagtgggtccc 100
 tactctcgtg actccctcgg cccctgggaa taggactgtg gacctcttcc 150
 cagtcttacc gatctgtgtc tgtgactnga ctcttgagc ctgcgatata 200
 aattgctgct gcgacaggga ctgctatctt ctccatccga ggacagtttt 250
 ctcttctgc ctccaggca gcgtaaggct ttcaagctgg gtttgtgtag 300
 acaactctgt tatcttcagg agtaattccc cgtttccttc aagagttttc 350
 atggattcta atggaatcag g 371

<210> 85
 <211> 324

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 33, 167
<223> unknown base

<400> 85
caggaacctc ttaagaaag tntattgtta ctnaaaacac accactgtct 50
tctggatgct tttctgggtg cctttgaagt tcatgcaggt ggaggacgtg 100
gacattgacg aagttcagtg tattctggct aacttgatat acatgggaca 150
cgtcaaaggc tacatcncgc atcagcatca gaagctgggtg gtcagcaagc 200
agaacccatt tcctcccctg tccacgggtgt gttgaaagta cacggagccc 250
cgaggacggg tgagcagttg tttctttcca ctttggttgt gctgatgaga 300
ccggtccggt actgcaacaa ggcg 324

<210> 86
<211> 514
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 20, 38, 64, 358
<223> unknown base

<400> 86
caacattctg gaccactaan cctctcttgg caacactngt tggacagatc 50
ctgaagatat gggngaccta ttcctagaat gttgctgaag cttttctgga 100
tggtggtgaa tataattctg cacttcccct cctcagtgct cttgtttgct 150
ctgaaagata caaccttgca gtagtttggc ttcgtcatgc agaattgtta 200
aaggccttag gctatatgga gcgagctgct gaaagctatg gcaagggtgg 250
tgatctggcc ccactccatt tggatgcaag gatttcactt tctacccttc 300
agcagcagct gggccagcct gagaaagctc tggaagctct ggaaccaatg 350
tatgatchag atacttttagc acaggatgca aatgctgcac agcaggaact 400
gaagttattg cttcatcggt ctactctggt gttttcacia ggcaaaatgt 450
atggttatgt ggatacctta cttactatgt tagccatgct tttaaaggta 500
gcaatgaatc gagc 514

<210> 87
<211> 84
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 23

[illegible]

aaatgtatgt atcatcagtt ggntacgttt tggttctatg ctaaactgtg 50

<210> 88

<212> DNA

<213> Homo Sapien

<221> unsure

<222> 22, 53, 67, 91, 110, 195, 208, 424, 484, 487, 572

<223> unknown base

cgggtaactt agtgtttttg cnacaagggga aattttttttt tcagccaggg 50

ggnggggggcc ctgtggnatc ataaaaaggt cctggcatgg ntaacagcca 100

ttttggccan tttgccggaa tttgtggttt ataaacttca gatqqaagac 150

cagaaataac aagtgtgcat ttagcagaat tcccttcctg ccaqntqatg 200

agacattntg gaagcatttt ctgactttaa aaatgaacat ttcqgttctt 250

gtcctcccc tatttat tttt tacatttctc tatgtgcaaa tgagaaaaaac 300

actaagggttc agggagcaga ggtatagcct tttcaagctt gttttttqcca 350

taatggtagt cttccttctg atgtgggcgc cctacaatat tgcatttttc 400

ctgtccactt tcaaagaaca cttntccctg agtgactgca agagcagcta 450

caatttggac aaaagtgttc acatcactaa actnatngcc accacccact 500

gctgcatcaa ccctctcctg tatgcgtttc ttgatgggac atttagcaaa 550

tacctctgcc gctgtttcca tntgcgtagt aacacccc 588

<210> 89

<211> 521

<212> DNA

<213> Homo Sapien

 $\langle 220 \rangle$

<221> unsure

<222> 66, 72

<223> unknown base

<400> 89

caggaatctc gaacactggc tcctcccctt agttcccgcc ctgggagtca 50

gcaagcaggg ggagtntgag gnccttgga cagctctgac tctggctgac 100

acacctgcct ctgggcaagg gtggtgcata tctgaggcgg acaggcacac 150

atggagaagt cagagtccac gccctctgct ccattcccagt agccaccgtc 200

tcaactcagc cctcgtcac ttcacacttt ggcagtgggt tctgtccact 250

cagctgggttc agttggctct atcacatctc ccggcctcta gggttggctc 300

aggcccacct ccgtcctctc atagggctgg ccatccaacc atatcactcc 350
tctcacggct tttaaggata aagtttgaag ccttaaggat acgtcacagg 400
tcctctaggc cctgcttacc tcagcttctg cctagaagtt tatgccccag 450
aaacagtgaa acctccatgt ttaccctcac acaacctgtg tgtctcaaca 500
ccatactttt gctcatactg g 521

```
<210> 90
<211> 613
<212> DNA
<213> Homo Sapien
```

```
<400> 90
tccggggcccc cggggacgct gtccctgaac ttgccgggga gcngcccccg 50
gcgtcccgcg cgtcccgcg tccctggcaa ttcccgactt cccaacgggc 100
tccctgctgg cagcccccn agccgcacca tgttcgcct ctggttgctg 150
ctggccgggc tctgcggcct cctggcgtca agaccgggtt ttcaaaattc 200
acttctacag atcgtaattc cagagaaaat ccaaacaata caaatgacag 250
ttcagaaata gaatatgaac aaatatccta tattattcca atagatgaga 300
aactgtacac tgtgccacct taaacaaaga tatttttttag cagataattt 350
tatgatctat ttgtacaatc caaggatcta tgaatactta ttcttcagat 400
attcagactc aatgctacta tcaaggaaat attgaaggat atccagattc 450
catggtcaca ctcagcacgt gctctggact aagaggaata ctgcaatttg 500
aaaatgtttc ttatggaatt gagcctctgg aatctgcagt tgaatttcag 550
catgttcttt acaaattaaa gaatgaagac aatgatattg caatttttat 600
tgacagaagc ctg 613
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```
<400> 91
  ttgagctcga tatccacag agcntccagc agaacggttc ccttntacat 50
  cccacgttta cttcaccnaa gagtggcttc ccacccagac ccccgcaaa 100
  agccctntac ccnccggntt gccacagtcc acatgtcccg gatgatcaac 150
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aatacaagcg cagacgattt cagaaaacca agaaactgct gacaggagag 200
 acagaagcgg acccagaatg atcaagaggg ctgaggacta tgggcctgtg 250
 gaggtgatct cccattggca ccccaacatc accatcaaca tcgtggacga 300
 ccacacgccg tgggtgaagg gcagtgtgcc ccctccctg gatcaatatg 350
 tgaagttcga cgccgtgagc ggtgactact atcccatcat ctacttcaat 400
 gactnntgga acctgcagna ggactagggc cccatcaacg agagc 445

<210> 92
 <211> 398
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 43, 63, 74, 113, 138, 148, 158, 178, 208, 252, 259, 262, 302,
 317, 346, 369, 371, 379
 <223> unknown base

<400> 92
 ccctgctgtc ttggggccct ggtttggtgc cctttgccaa aanagcggta 50
 ggtcccctgg acngaacc aaatnatcttc ccaagtgtct tcaaaaagat 100
 tttctgccaa gngggccttc cgggtcgtat actacacnta cctgcganga 150
 gggatttntc agcttgtggg gcgggaantc ggccaccatg gtgtgcgtgg 200
 tgccttngc cgccatccag ttcagcgcac acgaggagta caagcgcac 250
 cngggcagnt antatggctt cgggtggagaa gccctgcccc cttggccttg 300
 cnttttcgcc ggcgcantgg ctggaacgac agccgggttca ctgacntacc 350
 ccctggacct ggtcagagng nggatggcng taaccccgaa ggaaatgt 398

<210> 93
 <211> 117
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 34, 50, 57, 79, 113
 <223> unknown base

<400> 93
 aacttaatgc aaaggggtgtg agatgttccc ccngctgta aaatgaagg 50
 ctattgntat ttattgagct ttgtgggant ggtggaagca ggcccccatg 100
 gaccatgccc cncctt 117

<210> 94
 <211> 267
 <212> DNA
 <213> Homo Sapien

<220>

<221> unsure
 <222> 34, 40, 75, 127, 153, 176, 183, 221
 <223> unknown base

<400> 94
 ggcagccgcg gcatgtctat agcaactttt ttantaccan ccaagtttgt 50
 agaacattat ccaatatgtg gactntcaca atcattggga ttggaccgga 100
 taagttaata aatttggcct tatttgnttg gaagtgatta taccgaagga 150
 atnccaactg tgggttgtgt aaccgnccat ggnaattcta caatgaattc 200
 cctgggcatg gccctggaac ntctcctaaa attctcagaa tgggtggcatg 250
 aagctcaaaa aaatcac 267

<210> 95
 <211> 149
 <212> DNA
 <213> Homo Sapien

<400> 95
 gggttttttt tttttggtct ggcctctttc atttagctta atgttttcaa 50
 ggttcatcta tgttgtatca cgtatcagta ctttattttt tgtgtggcac 100
 gtcatatgga taccaccacaa cccgtttatc ttttcattaa ttatgggcg 149

<210> 96
 <211> 141
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 35
 <223> unknown base

<400> 96
 tttttttttt tttttttttt ttttgagacg gagtntcatt ctgtcgctcg 50
 ggctggagtg cagtggcgcc atcttggctc actgcaacct ctgccgccag 100
 gttcaagtga ttctcttgcc tcagcctcca gagtagccgg g 141

<210> 97
 <211> 598
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 79, 82, 132, 146, 187, 317, 371, 380, 383, 386, 473, 503, 554
 <223> unknown base

<400> 97
 gtttttgtta cagtttttgc ccaccatggg tgcagttata atgatgagct 50
 gcagtttttg gagaagattc aataaaaant gntggaggat caagaagggt 100
 ttgtgccccaa catgcagggt gaaggtgttt tntatgtgaa tgatgntttg 150
 gagaaattga tgtttgagga attaaggaat gcctgtngag gtggtggtgt 200

tggtggttcc tgccagccat gaaacagatt ggcaatgtgg cagccctgcc 250
 tggaattggt catcgattta ttgggcttcc tgatgtccat tcaggatatg 300
 ggtttgctat tgggaanatg gcagcctttg atatgaatga ccctgaagca 350
 gtagtatccc caggtggtgt ngggtttgan atnaantgtg gtgtccgctt 400
 gctaagaacc aatttagatg aaagtgatgt ccagcctgtg aaggagcaaa 450
 ttgccaagc tatgtttgac canattcctg ttgggggtggg gtcaaaaggt 500
 gtnatcccaa tgaatgccaa agaattggag gaggccttgg agatgggggt 550
 ggantggtcc ttaagagaag ggtatgcctg ggctgaagac aaggagcc 598

<210> 98
 <211> 518
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 28, 67, 111, 147, 152, 175, 219, 221, 224, 244, 259, 272, 285,
 307, 309, 326, 368, 395, 477
 <223> unknown base

<400> 98
 aattagaaaa ggaaggttta tttttaanat tcttcttcca attggtttaa 50
 tggtgaatta atgaagnggg taagcaaaac caggtgcttg cggtgagggt 100
 tttgcagtgg ntgggaggac cccggggttt ccccggtgtct tttccangaa 150
 tngttcggcc cctttggaat aaaanaccog cgagccccga gggcccagag 200
 gaggccgaag tgcccagant nctncggggg tcccgcgccg gagntttttt 250
 tttgccttng catttcctcc tngggcgttt tgganatgcc aggaataaaa 300
 aggatantna ctgttaccat tttggnnttt tgttttccaa gccctgggaa 350
 tgcacaggca cagtgcanga atggctttga cctggattgc cagtnaggac 400
 agtgtttaga tattgatgaa tgccgaacca tccccgaggc ctgccgagga 450
 gaaatgatgt gtgttaacca aaatggnggg tatttatgca tttcccggac 500
 aaaccctgtg tattgagg 518

<210> 99
 <211> 439
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 39, 59, 104, 130, 146, 209, 221, 233, 248, 269, 284, 287, 290,
 305, 360, 380, 386
 <223> unknown base

<400> 99
 ataccaagca ggcctttggc atcatgaacg agctgcgnt cagccagcag 50

ctgtgtgang tcacactgca ggtcaagtac caggatgcac cggccgcca 100
 gttnatggcc cacaaggtgg tgctggcctn atccagccct gttttnaagg 150
 ccatgttcac caacgggctg cgggagcagg gcatggaggt ggtgtccatt 200
 gagggatatnc accccaaggt natggagcgc ctnattgaat ttgcctanac 250
 ggcctccatt tccatgggng agaagtgtgt cctncangtn atgaacgggtg 300
 ctgtnatgta ccagattgac agcgttgtcc gtgcctgcag tgaattcctg 350
 gtgcagcagn tggaccccag caatgccatn ggcatngcca aatttgctga 400
 gcagattggc tgtgtggagt tgcaccagcg tgcccggga 439

<210> 100
 <211> 395
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 54, 74, 119, 170, 194, 215, 257, 285, 317, 328, 373
 <223> unknown base

<400> 100
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 cggnaatcct ttgattccac aganacatat ccccagcatg cgcagttttt 100
 ggatggcacc accagcagnt ttatccccct gtaccgatcc tcagaggaag 150
 agaagagagt gacagttatn aaagccccgc attaccagag gatngggccc 200
 gtggatgaat ccggnatccc cacagcaatt agaacgacag ttgaccggcc 250
 caaggantgg tacaagacga tgtttaagca aattnacatg gtgcacaagc 300
 cggatgatga cacaganatg tataatantc cttatacata caatgcaggt 350
 ttgtacaacc caccctacag tgntcagtca caccctgctg caaag 395

<210> 101
 <211> 326
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 28, 33, 82, 112, 144, 185, 190, 204, 215, 235, 238, 292
 <223> unknown base

<400> 101
 ccaatcgccc ggggcggtgg tgcaggtntc ggntagtcat ggggtccccg 50
 tttcggagac tgcagactaa accagtcatt anttgtttca agagcgtttt 100
 gctaatttac anttttattt tttggatcac tggcggttatc cttnttgcag 150
 ttggcatttg gggcaagggtg agcctggaga attanttttn ttttttaa 200
 gagnaggcca ccaangtccc ctttgtgctc attgntantg gtaccgtcat 250

tatttttttg ggcacctttg gttgttttgc tacctgccga gnttttgcac 300
ggatgctaaa actgtatgca atgttt 326

<210> 102
<211> 336
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 41, 127, 146, 178, 203, 220, 254, 267, 272, 320
<223> unknown base

<400> 102
tggtccctgg tggcagcgag gtgggcggcg gcggagggag ntggacccca 50
tggaagtccg cgggtgagtg agaccggcg cccacgggtca atccccgcaa 100
atttcctggg cctccccga cggcctncct gcccttttgt ttttaantttt 150
tattaaaatg cttaggatac agattgantt ttttttgtaa atgactgttt 200
tanttttcct gaagtaggan atatatgcac tttgataaaa cagaatgaga 250
agnataatt catgggnatt cntatacaag gtgctgatcc tgtgtttgga 300
gctgagctcc tcacagcagn ttttttcagc tatttt 336

<210> 103
<211> 355
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 107, 145, 150, 168, 174, 185, 239, 254, 285, 295
<223> unknown base

<400> 103
tgccgcgttc atttttttng ccatttggca cattatagca tttgatgagc 50
tgaagactga ttacaagaat cctatagacc agtgtaatac cctgaatccc 100
cttgtantcc cagagtacct tatccacgct ttttttctgt gtcangtttn 150
tttgtgcagc agagtggntt acantgggtt tcaanatgcc ccttttggca 200
tatcatattt ggaggtatat gagtagacca gtgatggang ccccaggaat 250
ttangaccct acaaccatta tgaatgcaga tattntagca tattntcaga 300
aggaaggatg gtgcaaaata gcttttttatt ttttagcatt tttttactac 350
ctata 355

<210> 104
<211> 453
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 43, 76, 166, 187, 203, 209, 251, 291, 326, 338, 341, 388, 398
<223> unknown base

<400> 104
cggtgggaat ttagtttttc caggatgtgg ttgccccttc cgntgtgggg 50
ggaaaggggc cccagaacc gaccanaccg tggcaagaga cccagaaccc 100
gaggacgaaa aattgtatga gaagaacca gattcccatg gttatgacaa 150
ggaccccggt ttggangttt ggaacatgcg aattgtnttc tttctttggc 200
gtntccatna tcctggtcct tggcagcacc tttgtggcct atttgccctga 250
ntacaggatg aaagagtggg cccgccgcga agctgagagg nttgtgaaat 300
accgagaggc caatggcctt cccatnatgg aatccaantg ntttgacccc 350
agcaagatcc agctgccaga ggatgagtga ccagttgnta agtggggntc 400
aagaagcacc gccttcccca cccctgcct gccattttga ccttttttca 450
gag 453

<210> 105
<211> 449
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 23, 39, 72, 75, 123, 153, 164, 191, 227, 233, 251, 254, 314, 341,
353, 356, 365, 379, 434
<223> unknown base

<400> 105
aacttcggtg aggggtgccgt tancgtctgt tcctgcagng attatgggga 50
tttttttcgg gggtttgtgc gntangaatt tgaggccgac gccatttggg 100
gttcagagag acgcaacaag aanttgagga catggagaac gaattttact 150
atngctaccc aagnttccag gaagtgcag tgatgggttt ngtgggcttc 200
ggcttcctca tgactttcct gcagcgnatc ggnttttagcg ccgtgggctt 250
naanttcctg ttggcagcct tcggcatcca gtgggcgctg ctcattgcagg 300
gctgggtcca ctntttacaa gaccgctaca ttgttgtggg ngtggagaac 350
ctnatnaacg ctganttttg cgtggcctnt gtttgcgtgg cctttggggc 400
agttttgggt aaagtcagcc ccattcagct gctnatcatg acttttttc 449

<210> 106
<211> 394
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 74, 87, 114, 132, 136, 246, 340, 345, 349, 376
<223> unknown base

```
<400> 106
  ggggaacttg  ggaggaacat  gcaggagtgn  atttgttttg  gtggggggtt  50
  tcctggcctg  gttcaggcct  gccntgagcc  ctgggantgt  ggggaaaagt  100
  atggtttcca  gatngccgac  tgtgcctacc  gngacntaga  atccgtgccg  150
  cctgggttccc  ggccaatgtg  aatacactga  gcctgtcagc  caaccggtgc  200
  caggcttgcc  ggaggggtgcc  ttcagggagg  tgcccctgct  gcagtngctg  250
  tggctggcac  acaatgagat  ccgcacgggtg  gccgccggag  ccctggcctt  300
  tttgagccat  ttcaagagcc  tggacctcag  ccacaatttn  atttntgant  350
  ttgcctggag  cgacctgcac  aacctngttg  ctgtccattt  tgag  394
```

```
<210> 107
<211> 525
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 10, 23, 41, 71, 95, 158, 166, 196, 361, 367, 414, 499
<223> unknown base
```

```
<400> 107
cccaagggtn cgaaatttgg aangttcata ggttcttcaa ngtccttcat 50
tccctggtag acaaatccaa natcaaccga cagttggagg tatanacaag 100
cggaggggacc ctgagagtgt ggctggggag tatgggcggc attcctttta 150
caaaatgntt ggttanttca gcctgggtcgg gtttttccgc ctgcantccc 200
tgttaggaga ttactaccag gccatcaagg tgctggagaa catcgaactg 250
aacaagaaga gtatgtattc ccgtgtgcca gagtgccagg tcaccacata 300
ctattatgtt gggtttgcac atttgatgat gcgttggttac caggatgcca 350
tccggggttt ngccaanatc ctcctttaca tccagaggac caagagcatg 400
ttccagagga ccangtacia gtatgagatg attaacaagc agaatgagca 450
gatgcatgcg ctgctggcca ttgccctcac gatgtacccc atgcgtatng 500
atgagagcat tcacctccag ctgccc 525
```

```
<210> 108
<211> 498
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 12, 14, 135, 137, 165, 219, 309, 322, 334, 339, 341, 379, 386,
      405, 417, 423, 430, 466, 480
<223> unknown base
```

```
<400> 108
gacccatccc angngtccgg agatcatgag gatgtttttt aatggccqgt 50
```

```

acatcctcct gctgatgggg ctgttttcag tgtacactgg cttcattttac 100
aacgatgctt ttcaaagtca gtcaacctgt tcggntnttg gtggaacgtg 150
tcggccatgt acagntccag ccacccaccc gcagagcata agaagatggg 200
gctttggaac gacagcgtng ttagacacaa cagcattttg cagctggatc 250
caagcattcc tggagtgttc cgaggccctt atccccttgg cattgatcct 300
atttgggaant tggccacaaa tngcctcact tttntaaant ntttcaaaat 350
gaaaatgtcc gtgatttttag gaatcattna tatgantttt ggagtcattt 400
tgggnatatt taaccanttg canttcaggn agaagttcaa catttacctg 450
gtttccatcc cggaanttct tttcatgctn tgtattttttg gataccta 498

```

<210> 109

<212> DNA

 $\langle 220 \rangle$

<222> 74, 110, 139, 142, 213, 233, 276, 292, 320, 348, 405, 413, 418,
430, 448, 469, 490, 492, 500, 511, 545, 552

<400> 109

cccagcggga aattgcagag gaantgcggc tttaccaatc cacccttttt 100

cctaaaagca gggacaaaag ttttccttgc cacagattga ttttgtcagc 200

aaaaaaagga ggtagtgcta gacaangtgg atcctgctat anttgattta 300

gcaagatatt tttgcattgg ccagccgctt tcagatcccc tcagtgttta 400

gccatcctaa gattaggant tttttttgac tgcccgagan tngccatttn 500

antttatgca actgtttcca cag 573

 $\langle 210 \rangle$ 110

<212> DNA

 $\langle 220 \rangle$

```
<222> 58, 159, 163, 210, 224, 244, 278, 302, 351, 359, 361, 366, 395,  
      404, 415, 417, 454, 472, 481, 499
```

```
<400> 110
gcattat ttg aatgcagcat ggcagctatt atcaccttaa ttgggagtga 50
tcccaggngg ggttctttat attcgttcat gtcgagtatt gatgctttct 100
gactgggtaca cgatgcttta caacccaagt ccagattacg ttaccacagt 150
acactgtant cangaagcgt ttaccacta tataaccattg tatttattta 200
ttacgcattn tgcttggtat taangatgct gctccgacct cttntgggtga 250
agaagattgc atgtgggtta gggaaatntg atcgatttaa aagtatttat 300
gntgcacttt actttttccc aattttaacc gtgcttcagg cagttgggtgg 350
nggcctttna naaaangcct tcccatacat tatattagtg ttatntttgg 400
ttantctggc tgtgnanatg tctgcttttg aaatagagaa ctgctatgat 450
tttntgggtca gaaagaaaag anttattgtt nttttcagcc actgggttant 500
tcatgcctat ggaataattt ccatttccag 530
```

```
<210> 111
<211> 356
<212> DNA
<213> Homo Sapien
```

```
<220>
<221> unsure
<222> 24, 42, 87, 99, 101, 286, 303, 329
<223> unknown base
```

```
<400> 111
  ggtcactgtg agcaggtggt attnacagcc tgcattgaccc tncaggccag 50
  ccctgggggtg ttccccgtca ctgtacagcc accgcantgt gttcctgana 100
  ngtacagcaa cgccacgctt tgggtacaaga ttttcacaac tgccagagat 150
  gccaacacaa aatacgccca agattacaat ccttttctggt gttataaggg 200
  ggccattgga aaagttttatc atgcttttaaa tcccaagctt acagtgattg 250
  ttccagatga tgaccgttca ttaataaatt tgcattntcat gcacaccagt 300
  tanttccttt ttgtgatggt gataacaang ttttgctatg ctgttatcaa 350
  gggcag 356
```

```
<210> 112
<211> 711
<212> DNA
<213> Homo Sapien
```

```
<220>
<221> unsure
<222> 24, 46, 73, 91, 128, 134, 145, 151, 192, 205, 216, 218, 239, 356,
      386, 409, 415, 448, 471, 496, 506, 562, 568, 599, 671, 675, 684,
      698
<223> unknown base
```

<400> 112

aaggggtccgg	ttggttcatt	taangtatat	taaattgaaa	gggttncttt	50
cagtcattgg	aacagtttgt	atnattggga	acacccaacc	natgttagta	100
ggatgggatg	tgttacagt	tgtttaanac	attntaaatt	acagnngcatg	150
ngcttatgtc	cgttgggtat	ttggttgagca	gtaaatttag	gnggaatatt	200
tttntatatt	tcctcnangg	gataggcaag	ctgtggggna	gcacaggctt	250
tggagcaagc	agatttgatt	gtgaccttat	ataagtttca	atttccttgt	300
ctgtaattag	atccccactt	tattggggtg	ttgtaaggat	taaatgaagt	350
aatttntgta	aaacataatg	actgatacaa	agtagnaaat	aagtaaattt	400
ttaattttnt	ttcanttttg	caccagcata	cagacatagt	atgtttcntt	450
ttgaccaaac	agaacagaat	nagatgtgta	ataatataag	agtganttag	500
cagttntagt	tatttaccta	atagaaatga	gtgcatatgt	gtgccagaag	550
acatgtatag	gnatgttnat	agcagcattg	cttgtgatag	cccaaaaant	600
agaaacaccc	acagatttaa	caacagtaga	atggattaat	aaattgtggg	650
atattcataa	aatgcaattt	nattnaacaa	cagnagcgaa	cacagtantg	700
gtacacacac	c	711			

```
<210> 113
<211> 507
<212> DNA
<213> Homo Sapien
```

```
<220>
<221> unsure
<222> 101, 263, 376, 397, 426
<223> unknown base
```

```
<400> 113
gctggaaata tggatgtcat ctacgagaaa ctgttttaag ccacagacaa 50
ttaaagacc tttaaatect ttggcttctg gtcaaggagac aagtgaagag 100
nacacttttt acagttggct agaaggctct tgtgtagaaa aaagagcatt 150
ctacagactt atatctggcc tacatgcaag cattaatgtg catttgagtg 200
caagatatct ttacaagag acctggtag aaaagaaatg gggacacaac 250
attacagaat ttnaacagcg atttgatgga attttgactg aaggagaagg 300
tccaagaagg cttaagaact tgtattttct ctacttaata gaactaaggg 350
ctttatccaa agtgttacca ttcttngagc gccagatgtt tcaactnttt 400
actggaaata aaattcagga tgaggnaaac aaaatgttac ttttggaaat 450
acttcatgaa atcaagtcac ttcctttgca ttttgatgag aattcatttt 500
tttqctg 507
```

<210> 114


```
<211> 551
<212> DNA
<213> Homo Sapien
```

```
<220>
<221> unsure
<222> 32, 58, 61, 85, 149, 169, 204, 255, 261, 300, 317, 324, 326, 329,
      354, 397, 535
<223> unknown base
```

```
<210> 115
<211> 404
<212> DNA
<213> Homo Sapien
```

```
<400> 115
gcagaggttg agcggcagaa anataaaacc cttgaaagtg ccttccttgg 50
ntccagccat catcntcatc ctccctgggg tcgtcangtt catggtnctc 100
ttcattggtg tgctggngtc cctcccgtga caacctgtac cttttcccaa 150
gcattcangt acatccttgg gatttgccn atcatggagc tcattggtgg 200
ngnggtggcc ttgaccttc ggaaccagac cattganttc ctgaacgaca 250
acatttgaag aggaattgag aactactatg atgatttgga nttcaaaaan 300
atcatggant ttgttcagaa aaagttcaag tgctgtggcg gggagganta 350
ccgagattgg agcaagaatc agtaccacga ntgcagtgcc cctggacccc 400
tggc 404
```

<210> 116
 <211> 274
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 123, 129, 173, 186, 224, 267
 <223> unknown base

<400> 116
 gtcatttccc ccgcttttat atcctgtaca caattttcat gaaaggattg 50
 cagatgttat gggctgatgc caaaaagggt agaagaataa agacaaatat 100
 gtggaagcac aatataaagt ttnatcaant tccataccgg gagatggagc 150
 atttgagaca gttccgccaa gangtcacca agtgtntttt cctaggtatt 200
 atttccattc caccttttgc caantacctg gtttttttgc taatgtacct 250
 gtttcccagg caaatantga tcag 274

<210> 117
 <211> 502
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 29, 44, 55, 86, 114, 117, 157, 167, 197, 207, 236, 261, 275, 292,
 300, 302, 317, 341, 343, 366, 373, 446, 452, 481, 497
 <223> unknown base

<400> 117
 ggggtggaatc ccaatttttg gggggaagnt ttccggaggt tcanttaagg 50
 gaagnaattt caaatgaaa attcaaagta gtgttngccc agagttgatt 100
 gtggtcagca tttnganata gccagagat acaggataag caaatacca 150
 aaccttnaaa ttgtttngta aatgggatga tgatgaagag agaatanagg 200
 gttcagngat cagtgaagc attggcagat aacatnaggc aacaaaaaag 250
 tgacccatt naagaaattc ggganttagc agaaatcacc anttttgatn 300
 gnagcaaaag aaatatnatt ggatattttg agcaaaagga ntnggacaac 350
 tatagagttt ttgaangagt agngaattt ttgcatgatg actgtgcctt 400
 tttttttgca tttggggatg tttcaaaacc ggaaagatat agtggngaca 450
 anataattta caaaccacca gggcattttg ntccggatat ggtgtanttg 500
 gg 502

<210> 118
 <211> 236
 <212> DNA
 <213> Homo Sapien

<220>

<221> unsure
<222> 34, 36, 93, 104, 147, 151
<223> unknown base

<400> 118
aaagcccaag ttaccagctg ttcaaaaaac agtngngatt tcagtttcac 50
gattgttgac ccggtgattt cccagtgct gaacattatg gtnattcaaa 100
cagnaacaga ccgacatata acattacatt gcctttcagt caatggntcg 150
ntgcccatac attacacttt ttttgaaaac catgttgcca tatcaccagg 200
tatttccaag tatgacaggg agcccgaacc ccttgc 236

<210> 119
<211> 204
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 21, 33, 64, 129, 167, 172, 198
<223> unknown base

<400> 119
atatgcagag agactgggtg ntccgagctc cantcaggtg aaagaatttg 50
cggcaattgt tgangtgaaa ggagaatttc attacatttt ggatccaaag 100
caagcactga tgaagctcac cctaggtant gcaggcagtt tatttcccca 150
agcattgtac attttgnttg anttcatatg gagtttttta ttcaaaantt 200
cagc 204

<210> 120
<211> 438
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 32, 65, 92, 121, 142, 154, 170, 293, 315, 323
<223> unknown base

<400> 120
gttattgtga actttgtgga gatgggaggt cntggggctg tgttccatgg 50
cgagctggat accangtttg tgtggaagtg ccccggtgtt gntatgccga 100
tgctgtccta gtggaaacaa ntccactgta attagattga tntatgcact 150
tttnttgctt gttggagtan gtgtagcttg tgtaatgttg ataccaggaa 200
tggaagaaca actgaataag attcctggat tttgtgagaa tgagaaaggt 250
gttgtccctt gtaacatttt ggttggttat aaagctgtat atngtttgtg 300
ctttggtttg gctangttct atnttcttct ctctttacta atgatcaaag 350
tgaagagtag cagtgatcct agagctgcag tgcacaatgg attttggttt 400
tttaaatttg ctgcagcaat tgcaattatt attggggc 438

<210> 121
<211> 229
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 58, 66, 71, 79, 92, 110, 116, 138, 162, 192, 207
<223> unknown base

<400> 121
tggagataag aggttacagc aaattacatg atgacctagg agagtttcca 50
tatggatngt ttgaanttgt ngctagtana aaatctttcc tntttttcac 100
tgacatgtn atttantgga ttcacagagg ccttcatnat agactgggtat 150
ataagcgcct anataaacct caccatattt ggagattcct antccatttg 200
caagtcttgc ttttcaccct attgatggc 229

<210> 122
<211> 273
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 34, 198, 202, 218, 230
<223> unknown base

<400> 122
tgcgcctggc ctgatgggtc antttttttt aaantttttt atcagtacaa 50
attatgggat aacatatgaa attttattat gtgtatgtaa tgcatagtga 100
taaagtcaag gtattttacgg tgtccataac ccaaatacaa tacatttttg 150
taactatagt caccctgctt ttttatcaaa cattgaattt attccttnta 200
tnttatttat gtgtgtantt tttaacacan ttctcttcat ctcccttct 250
cctcccaatc acccttcccg tcc 273

<210> 123
<211> 376
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 61, 73, 130, 219, 343, 351
<223> unknown base

<400> 123
agaagggggg gtgaaagtgg ttgcccagta atggccagaa accaaccacc 50
agaggccagg ntgaaagaca agntccgggt gtcctggggc tgacggggcca 100
accatgtggc aggtcccagg cccacccan tgcgccatcc gcctttgagc 150
tccacagtgg tcccactaat gggaacctcc tttagggaga gtgatactgc 200

accttcaccc gtaggaatna tattttataac aatgtgtaat ggctgtagca 250
 aaaagccctt gtttttagat gtaaattggc aaagaaacaa gcgctttatt 300
 gttttgaata aatagttca aatgagtcct gtatcattgt atntcctatt 350
 ntggattagt gccttttgga cgattg 376

<210> 124
 <211> 437
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 32, 53, 55, 69, 85, 124, 151, 175, 196, 225, 247, 253, 262, 266,
 275, 313, 316, 331, 334, 347, 349
 <223> unknown base

<400> 124
 atggaaaatt ttttttaggg gggggtggtt cntgagcgaa ggtgggcgga 50
 cgngngggggg atttttttnt ggccctgttc cttcngagcg ttccgccgtt 100
 gcccgcctgg cccctacgga gtcnttagcc aggatggagg ctgttgtgaa 150
 nttgtaccaa gaggtgatga agcangcaga tccccggatc cagggntacc 200
 ctttgatggg gtcccccttg ctaangacct ccattttcct gacctangtg 250
 tantttgttt tntcanttgg gcctngcatc atggctaate ggaagccctt 300
 ccagctccgt ggnttnatga ttgtttacaa ntntcactg gtggcantnt 350
 ccctttacat tgtttatgag ttcttgatgt cgggctggct gagcacctat 400
 acctggcgct gtgaccctgt ggaatattcc aacagcc 437

<210> 125
 <211> 441
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 23, 177, 227, 251, 367, 370
 <223> unknown base

<400> 125
 aagtagggaa gtgtatttcc agntacagat ttgatcccgt tggagtggat 50
 atcacttcga aaggaaaaat gagagcaaga tatgtgaatt acatcaaaac 100
 atcagagggt gtcagactgc cctatcctct ccaaatgaaa tcttcaggtc 150
 cacttcttac tttattaaaa gggaaatngtg gggctggaca gactttctaa 200
 tgaacccaat gggtatgatg atggttnttc ctttattgat atttgtgctt 250
 ntgcctaaag tggtaaacac aagtgatcct gacatgagac gggaaatgga 300
 gcagtcaatg aatatgctga attccaacca tgagttgcct gatgtttctg 350
 agttcatgac aagactnttn tcttcaaaat catttggcaa atttagcagc 400

ggcagcagta aaacaggcaa aagtggggct ggcaaaagga g 441

<210> 126

<211> 397

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 84, 86, 96, 101, 112, 153, 220, 225, 297

<223> unknown base

<400> 126

ctttccccct ggcggtgaga gtgcagagac gaagtgcgag atgagcatta 50

tgttcgcgga catctcctca tcgtttttat ctengngtgc acggtntggt 100

ngcagagggc anaacctggg tcctgggtta caggacagac aagtacaaga 150

gantgaaggc agaagtggaa aaacagagta aaaaattgga aaagaagaag 200

gaaacaataa cagagtcagn tggtnngacaa cagaaaaaga aaatagagag 250

acaagaagag aaactgaaga ataacaacag agatttatca atggttngaa 300

tgaaatccat gtttggttatt ggcttttggt ttactgccct aatgggaatg 350

ttcaattcca tatttgatgg tagagtgggtg gcaaagcttc cttttac 397

<210> 127

<211> 179

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 67, 70, 95, 114, 170, 179

<223> unknown base

<400> 127

atTTTTTTtag tatatccaca gagttgtgca accatcaatt ttagaacatt 50

ttcatcacia atTTTgngcn tgtaatagtt tcctagagct gttntttaac 100

gaagtaccac aagntgggtg gcttaagaca acagaaatgt attcctggcc 150

gggtgcagtg gctcacgcn gtaatccn 179

<210> 128

<211> 561

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 25, 37, 57, 82, 119, 150, 174, 184, 202, 217, 225, 303, 332, 354, 375, 429, 443, 490, 509, 523, 527, 547

<223> unknown base

<400> 128

atttcccttc cttttttccc gccngtatt ttttttnaac ctttttccca 50

cctttgnttg ggtagccatg gggggagccg tngggggcaa tcagtcccat 100

tccatttcct tgttgccent tgggagccga gccgttccgc gcccggtggn 150
 ggcgggagcc caggagcctg ccnngcctgg ggangaagag tgcagttctt 200
 cntggcggtg cacgatntga tttnttggag agatgtgaag aagactgggt 250
 ttgttttttg caccacgctg atcatgctgc tttccctggc agctttcagt 300
 gtnatcagt tggtttctta cctcatcctg gnttttctct ctgtcaccat 350
 cagnttcagg atttacaagt ccgtnatcca agctgtacag aagtcagaag 400
 aaggccatcc attcaaagcc tacctggang tagacattaa ttntgtcctc 450
 agaagctttc cataattaca tgaatgctgc catgggtgcan atcaacaggg 500
 ccctgaaant cattatttgt ctntttntgg tagaagattt gggttgantcc 550
 ttgaagctgg c 561

- <210> 129
- <211> 526
- <212> DNA
- <213> Homo Sapien
- <220>
- <221> unsure
- <222> 57, 59, 68, 174, 185, 332, 343, 366, 369, 375, 388, 405, 465, 492
- <223> unknown base

<400> 129
 tggttcctcaa tccaatttcc ggattttaga atgcccgtaa aaaatttata 50
 attttantnt caagaaanat tttaccaggg gcaattgtaa aggttttatt 100
 aatttttaac ctttggcctt tttttttaag taaggcaatt aatataaatg 150
 taaaatatac aatattaaca aacntgggtt ccagnttgta catttagtaa 200
 atatttaata ttaattacga gttattgagg tttaaagtag gctgtgcatg 250
 tgtaattata ttttattatg ttcagttttc catggcaatt gcctagtttt 300
 taaagtttat tataatcctt atgtttgtga tnttttttca tantttatta 350
 tttacaggag tccagntant tgctntttta gttcccantt tgatatttta 400
 cctgntggat gaaaattttt ttgcctcagc aagttcagct tccaaagatt 450
 ttcagtgatt tgcantccag aatttaatgc atattggacc tntgtatcca 500
 catgctttca agacagtaat gggggc 526

- <210> 130
- <211> 429
- <212> DNA
- <213> Homo Sapien
- <220>
- <221> unsure
- <222> 267, 330
- <223> unknown base

caangttatt attgataagt aatgatttct cccagttttt tttctggttg 200
tttngtggtc ttctcttctt tctttctttc tttctttcct tcccgtccc 250
ag 252

<210> 133
<211> 139
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 57, 118
<223> unknown base

<400> 133
gtatgtacat gtgtatggtg tgtgcatgta ggtgtggtgt gcgtgtgcgt 50
ggtgtgngtg catgtgtatg tgtgtggcat gtatgtgtac ggtatgtata 100
tgtgtggtgt gtgtgcangt gtgtgtatgt gtgtttttg 139

<210> 134
<211> 366
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 127, 187, 366
<223> unknown base

<400> 134
ggggaaaaat atctgttaca aatttataat ttcaagacaa attgaatctt 50
attttataat acttttggaa tttcattaat aaggctaaaa tttgaggaat 100
ataaataatt ttcagcctta agacatntaa gtttgggaagt ccttgctatt 150
caacagaata acaagaaaac ttcagaatgt atcactntcc tgaaaagaag 200
atattaataa gcccttttat ttatgggttat agttttatct atagtctcaa 250
aattcctaaa gcaatgctac aaccattgaa tttgccatat tttgtatcag 300
tgctgttaat ttgctgttgc ctcaagaaaa agtgcttttt ctccatggat 350
gaggctagac cctcgn 366

<210> 135
<211> 179
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 31, 59, 158
<223> unknown base

<400> 135
aggggggttct tgacattttg ttcaaatacct ngtaacaatc tgtcttttagc 50
tttattttnt gagaaactga gcaaacctgt ttccattgcc ttcttagaag 100

ggttcatgta tatagcacta cagaagcata atgaagtttc tcagctccca 150
aaattatngt tattatactg ctattatac 179

<210> 136
<211> 483
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 39, 54
<223> unknown base

<400> 136
tattcgcgat tgactcctct tnctaagtgt cgcgccccnt ttagagcagc 50
gatntaagag agccgtcccg gtgtcctcgg gtcccagtgga ttgtgaagtg 100
ctgccaatg ccactggaca tacttgaaac aaaataggaa aatggcagca 150
aactcttcag gacaagggtt tcaaaacaaa aatagagttg caatcttggc 200
agaactggac aaagagaaaa gaaaactact tatgcagaac cagtcttcaa 250
caaatcatcc tggagctagc attgcactct cgagaccctc tcttaataag 300
gacttccggg atcacgctga gcagcagcat attgcagccc aacagaaggc 350
agctttgcag catgctcatg cacattcatc tggatacttc atcactcaag 400
actctgcatt tgggaacctt attcttcctg ttttacctcg ccttgaccca 450
gaatgaagaa aacatttgcg atggaaaagt gac 483

<210> 137
<211> 598
<212> DNA
<213> Homo Sapien

<400> 137
cttgagcgag ccagttgccg gattattcta tttcccctcc ctctctccc 50
ccccgtatct cttttcacc ttctcccacc ctgcctcgcg tagccatggc 100
ggagccgctc gcggccactc agtcccattc catctcctcg tcgtccttcg 150
gagccgagcc gtccgcgccc ggcggcgggc ggagcccagg agcctgcccc 200
gccctgggga cgaagagctg cagctcctcc tgtgcggtgc acgatctgat 250
ttcttgagga gatgtgaaga agactgggtt tgtctttggc accacgctga 300
tcatgctgct ttccctggca gctttcagtg tcatcagtg ggtttcttac 350
ctcatcctgg ctcttctctc tgtcaccatc agcttcagga tctacaagtc 400
cgtcatccaa gctgtacaga agtcagaaga aggccatcca ttcaaagcct 450
acctggacgt agacattact ctgtcctcag aagctttcca taattacatg 500
aatgctgccca tgggtgcacat caacagggcc ctgaaactca ttattcgtct 550

ctttctggta gaagatctgg ttgactcctt gaagctggct gtcttcat 598

<210> 138

<211> 320

<212> DNA

<213> Homo Sapien

<400> 138

ccttagcaga catgcaaaag cttattcttg tgtgacttac tttctttaag 50

ctaataatat aaaaataaat atgtatctta aaaatctata ataaaacatt 100

agaaattaaa gatatgtgct ttttattttg cagatgagtt catttgcttt 150

tgtagatgtg ttttcagagc taggtacaga ggaatgtttg ctacctttag 200

cggtgaaaaa agaaagagag tcaagaattt tgttggattg tgtttgtgtg 250

tgcataatatt tgatatcatc attatatttg taatctttgg acttgtaatc 300

atagcctggt tattctactg 320

<210> 139

<211> 497

<212> DNA

<213> Homo Sapien

<400> 139

cggacgcgtg ggctgcttgc cgccctcttt ggatacctaa cattttacga 50

acatgttgag tcagaattgc ttcataccta ctcttctatc ttgggaactg 100

atattcttct tctcattgtc cgtctggctg tgttaatggc tgtgaccctg 150

acagtaccag tagttatttt cccaatccgg agttctgtaa ctacttggt 200

gtgtgcatca aaagatttca gttgggtggcg tcatagtctc attacagtgt 250

ctatcttggc atttaccaat ttacttgta tctttgtccc aactattagg 300

gatatctttg gttttattgg tgcactctga gcttctatgt tgatttttat 350

tcttccttct gccttctata tcaagttggg gaagaaagaa cctatgaaat 400

ctgtacaaaa gattggggct ttgttcttcc tgttaagtgg tgtactgggtg 450

atgaccggaa gcatggcctt gattgttttg gattgggtac acaatgc 497

<210> 140

<211> 105

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 11

<223> unknown base

<400> 140

acttcaatgt ntacacatgg ccattgaaaa atacagagtt tacagaatta 50

tttcagagaa gtcattaaag aaacaaacat taacacaccc tgcagagtgg 100

gggag 105

<210> 141
<211> 473
<212> DNA
<213> Homo Sapien

<400> 141
tccccgctgc tgacgcttca tccccacac ctccagcccc agttacctgg 50
agcttctcag aaccacttt gccggtgcta aaacacaaga gggggtgaaa 100
gtggctgcca gtaatggcca gaaaccaacc accagaggcc aggctgaaag 150
acaagctccg ggtgtccagg ggctgacggg ccaaccatgt ggcagggtccc 200
aggccccacc cactgcgcca tccgcctctg agctccacag tgggtcccact 250
aatgggaacc tcctctaggg agagtgtatc tgcaccttca cccgtaggac 300
tcatatattat aacaatgtgt aatggctgta gcaaaaagcc cttgttttcta 350
gatgtaaagt gtcaaagaaa caagcgctct attgttttga ataaaatagt 400
tcaaagtagt cctgtatcat tgtatctcct attctggatt agtgcctttt 450
ggacagtaga ctgttctgta aaa 473

<210> 142
<211> 578
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 60, 105, 110
<223> unknown base

<400> 142
tccatgtgaa ttttgcttaa tggaatgctt tatttaagca tttaggcaga 50
gttgacacan ttaaaggtac aaagcccaga ggaattggta gagcagcacc 100
gtgcntgccn tgaggcagtg gagtcagtag cggtgtcccc agggccttga 150
gtgcctggag gtgcttggcc tccagtagct gcctccattc tcttttaaaa 200
aaaggggggtg attctgaggc actgaagtgc ctcccagatg tggaggagtg 250
aagccaccat cgaggccaca ctacgactc caggatccca gcgatgtcag 300
acactcttga gttgtcaaaa cgtaattttt cagtttttaa taatcagttt 350
atctaagaaa aggggaatttt aacttttcta ccttgagcca agccaatgaa 400
gggaaaatta attaaacttag taaatttgaa gtgcagctct gttagctcgt 450
acatgtgggt tcttatcctg atcctgtgcc ttaaagtagg aaggtgtttc 500
caagttcaga ttaaaataga agcagctggc cgggtgcggt ggctcacgcc 550
tgtaatccca gcactttggg aggccgag 578

<210> 143
<211> 1000

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 64
<223> unknown base

<400> 143
caagagtctc gctccagcct ggtgatagag caagactccg tctaaaaaaa 50
aaaccaggag tganaaaaat aagagtcatt gaacttcatt tttttaaaaa 100
agaatatcac tttgctgtcc tttcaaatat agcatttccc caattaggta 150
cctgtttatt gagattttat aatgtaggta aatttttaaat cagtttttaa 200
ttgataccta attaacctcg agctcttgct ctctgcctt ttttcacttc 250
tttactcttg cagcattcct tcctagtacc ttctgtatgt acactacgtt 300
gatagccatg actggatggg atatggacag gacttccatt gctgtgctgg 350
gagtagcagc tggggctatc ttaggctggc cattcagtgc agctcttggt 400
ttacccattg cctttgattt gctggtcatg aaacacaggt ggaagagttt 450
ctttcattgg tcgctgatgg ccctcatact atttctgggtg cctgtgggtg 500
tcattgacag ctactattat gggaaagttg gtgattgcac cactcaacat 550
tgttttgtat aatgtcttta ctctcatgg acctgatctt tatggtacag 600
aaccctggta tttctattta attaatggat ttctcaattt caatgtagcc 650
tttgctttgg ctctcctagt cctaccactg acttctctta tgggaatacct 700
gctgcagaga tttcatgttc agaatttagg ccacccgtat tggcttacct 750
tggctccaat gtatatattg tttataattt tcttcatcca gcctcacaaa 800
gatgagagat ttcttttccc tgtgtatcca cttatatgtc tctgtggcgc 850
tgtggctctc tctgcacttc agaaatgtta ccactttgtg tttcaacgat 900
atcgctgga gcactatact gtgacatcga attggctggc attaggaact 950
gtcttcctgt ttgggctctt gtcattttct cgctctgtgg cactgttcag 1000

<210> 144
<211> 612
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 49, 66, 73, 81, 91, 217, 318, 447
<223> unknown base

<400> 144
aattggtagt ccctgttctt ttcattggtt tctggctcgt cttatttgnt 50
cttcagatct actccntatt tcnagtactt ngagatcagc ntgcataacg 100

tgagaggttt cttttccttt ttctgacaag tattgcggaa tgttgcagca 150
 actccttact ctcttttggg ttgtgtcttc acggtttctt ttgttgcctt 200
 ggggtgttctc aacactntgc aagttttact tgcaggggta tcgagctttc 250
 atgaatgata ctgccatgaa tcggggcatg acagaaggag taacgctggt 300
 aatcctggca gtgcagantg ggctgataga actgcagggt gttcatcggg 350
 cattcttgct cagtattatc cttttcattg tcgtagcttc taccctacag 400
 tctatgttag aaattgcaga tcctattggt ttggcactgg gagcatntag 450
 agacaagagc ttgtggaaac acttccgtgc tgtaagcctt tgtttatttt 500
 tattgggtatt ccttgcttat atggcttata tgatttgcca gtttttccac 550
 atggattttt ggcttcttat cattatttcc agcagcattc ttacctctct 600
 tcaggttctg gg 612

<210> 145
 <211> 439
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 116, 156, 247, 252, 277, 279, 292, 301, 314, 338, 356
 <223> unknown base

<400> 145
 aaaaaaaaa accaaaacca aaaaccagaa cgcttggttca agtttgtcct 50
 gtcctgtcca tggataggcc agacctttgg tccagaaatt cagtttttca 100
 ttgtgtctga catagnact ccataatgtt ggttccattc tcttttcttc 150
 ctcaanatca tgtgttttgt gggctcttctt tttgttttgt tttgttttgt 200
 tttgttttgt ttttggtaga gttggagtct tgctgtgttg cccaagntga 250
 tntccaattc ctgacctcaa acaggtntnt caccttggcc tnccaaagtg 300
 ntgggaattc agngtgaac cacctcacc agccaagntc acattttgaa 350
 tctaantttt tttttgaaac agtgtcttgc attgttgccc aggctggaat 400
 gcagtgggtgc catcatggct cactgcagcc tcaacttcc 439

<210> 146
 <211> 479
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 142
 <223> unknown base

<400> 146
 ggcagtctcc tagctgctct tacacactgc atagctgtgt gtgagtactc 50

ttttcatcca	tcagtcagcc	agggtttgca	ggacagatcc	ggcaagtggc	100
gccctgtatg	aggaatgctg	caacggatct	ggactgaacc	cntcaaaaat	150
aaagtgattg	ctcagtcctc	tttggatttc	tgcgcgacat	atgaaaccat	200
accatggcat	ggctggaacc	caacccggtc	ccaaaaataa	aggaaatgac	250
cctgcaggac	ctgcagcccc	aaaacgatgc	ggcttcctcg	gacgacacag	300
gccccggaca	ttatgctgaa	gaagacaact	caggaagctg	agcaaatact	350
gctccagaca	caaacaccat	tcactccaga	taatctgttc	cttgctatgc	400
cctccgttgt	acattgcaac	actcacaggc	tattggtttt	tcttattctc	450
tcactctgcc	tgcaactcgt	acctgctac			479

```
<210> 147
<211> 276
<212> DNA
<213> Homo Sapien
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<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 167, 213
<223> unknown base

<400> 149
agaataatTT tttaaacaca aattcaccat gtttctctac taacttggaa 50
tgcttaatgt gttcccattg tacctagaat aaatccaaac ttactttcca 100
gggtctgctc tccaagctgt acatgacctg gcccatagcc acctttctaa 150
actcgtcaca tccattntcc tcattgctca tgggtgctgtg gacagtctgg 200
ttcctttctg ttntttctcca ctaccaagct cattcacact gccctttttc 250
caaggccctt ccctacac 268

<210> 150
<211> 749
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 72, 99, 114, 127, 132, 222, 373
<223> unknown base

<400> 150
gtaggttagg gtccttaaag gaacttactt tggatttatt ggcaaaatta 50
ttgtggggcac cttacccatt gngaaattat ttttagaggc ttgtaaaant 100
ttaaagttta gatnttattt gccttgntaa tntatttaac tttatggaaa 150
gtattttactg cttctgatca ggatttttttg tttgctgtca aagtaaaagt 200
cactaccagt gtcactatTT gntatggaag ccacaaacct tgtagtcatt 250
tcttaattat tttctttctt ttattttttcc attcccacat tcccttctca 300
tcccctttta attcattagc aagtatgctg ccagttctgc ttagtccgtc 350
tctctccctc cactggtaaa ccntagccca aaccatcttc atctcttatt 400
tgtactaacg caagagcccc ttaactggta tccctccttc catttcttga 450
tctactaaaa tccatacgcc acatagtggc tagaataatt ttttaaacad 500
aaattcacca tgtttctcta ctaacttgga atgcttaatg tgttcccatt 550
gtacctagaa taaatccaaa cttactttcc agggctctgct ctccaagctg 600
tacatgacct ggcccatagc cacctttcta aactcgtcac atccattctc 650
ctcattgctc atgggtgctg ggacagtctg gttcctttct gttcttctcc 700
actaccaagc tcattcacac tgcccttttt ccaaggccct tccctacac 749

<210> 151
<211> 105

<212> DNA
<213> Homo Sapien

<400> 151
ttttgtcatt ttgaaatttt tttttttttc accagccctg aatttttagtt 50
catccatgga taaactatta cttttcttat ttttctttaa ctatacaatt 100
aagac 105

<210> 152
<211> 631
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 17, 77, 95, 135, 166, 178
<223> unknown base

<400> 152
tccttggaac atttttntag ggatatttcc atttgacttt attagattaa 50
tgaaattggg aaacctggac gtatatntaa actatacttt ttgantatga 100
gcataacctt ttatttcctg tatttttagaa aaagngacca tgttgtgatg 150
gcaatcattg tgcttntgca taccagntg aatgtctgtg gaaactcagt 200
tattctttta aatagttatt atcagagata taattattta caaagtagtt 250
tttttgtttg taggtaaact attatagatt ttgctgttct cccaactgtt 300
ttcttggtgt atattttgaa aatataaacc ttaaatgtta gaacaaagaa 350
aacaaaagca aaacccgaaa accttaactg tgcttgtaaa catttaaaat 400
atttttgttta gtttctctca attgagtaag agaacctggc tttcccacag 450
caatgatcca ggctttggta atacccccct ttatgtctct gtacttctgc 500
cattctaaag ttgatttatt gtttgttact tttagtgatt ttaagtgtc 550
aatgaagttc cttggctttc tcatggcttt tcatttccaa ctaaattacc 600
tagcctttct tttaatgtct tccaccctta c 631

<210> 153
<211> 522
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 44, 57, 65, 173, 183
<223> unknown base

<400> 153
tatttaaagc aatcttagtg gtataccccc cccctttgcc ttanttaaga 50
ggagcantga aatgnatata cttgctgttc agtatttcca agtaccatt 100
tttatatagt agcttatttg accataagtc acacatcaaa aaaagattac 150

cccttagtgt atgtgtttta atnttagaaa atntggcata tgtactttat 200
 ttttgaaaag ggaagagatg ggtgtggggg ggcaatagca ttgtgccatt 250
 ttgtcataga atgtaaaaat tgggttaactt tacaaatgtc agctagtttt 300
 gactactaat tggggggaat tttagataat ttttaaattc aaagttattt 350
 ataaaatgct agaatttggt ttaatttttt tgtattttga gccacttcac 400
 atgaagactc agttgcattt ttatcgaata cattttttatc aacagttaaa 450
 gactatgggtg gtttttttca gagtttggct aagaatgttg ttaccatctt 500
 ctttgtttgt ggtacaatat tt 522

<210> 154
 <211> 632
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 36, 65, 94, 147, 152-153, 156, 179, 222
 <223> unknown base

<400> 154
 aatctattta aactttatgg aaagtattta actggnttct ggatcaggat 50
 tttttttgtt tgctntcaaa gtaaaagtca cttaccagtg tcantatttg 100
 gttatggaag ccaacaaacc ttgtagtcac ttcttaatta tttttcnttc 150
 tnntantttt ccattcccac attcccctnt catccccttt taattcatta 200
 gcaagtatgc tgccagttct gnttagtccg tctctctccc tccactggta 250
 aaccctagcc caaaccatct tcatcttctt atctgtacta acgcaagagc 300
 cccttaactg gtatccctcc ttccatttct tgatctacta aaatccatac 350
 gccacatagt ggctagaata attttttaaa cacaaattca ccatgtttct 400
 ctactaactt ggaatgctta atgtgttccc attgtaccta gaataaatcc 450
 aaacttactt tccaggggtct gctctccaag ctgtacatga cctggcccat 500
 agccaccttt ctaaactcgt cacatccatt ctctcattg ctcatgggtg 550
 tgtggacagt ctggttcctt tctgttcttc tccactacca agtcattca 600
 cactgcccct tttccaaggc ccttccctac ac 632

<210> 155
 <211> 558
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 27, 61, 91, 96, 108, 120, 157, 393, 478
 <223> unknown base

<400> 155

tttttttatca	ttttgaactt	tatgganaaa	ttgggcagcc	aaaacgcttc	50
ccggggaagg	ngccagcgaa	gaatgcatcc	taacgttagt	naaggntgcc	100
aaggaggntg	tgcaacatgn	tcagattaca	atggatgttt	gtcatgtaag	150
cccagantat	tttttgtttc	tggaaagaat	tggcatgaag	cagattggag	200
tatgtctctc	ttcatgtcca	agtggatatt	atggaactcg	atatccagat	250
ataaataagt	gtacaaaatg	caaagctgac	tgtgatacct	gtttcaacaa	300
aaatttctgc	acaaaatgta	aaagtggatt	ttacttacac	cttggaaagt	350
gccttgacaa	ttgcccagaa	gggttggaag	ccaacaacca	tantatggag	400
tgtgtcagta	ttgtgcactg	tgaggtcagt	gaatggaatc	cttggagtcc	450
atgcacgaag	aagggaaaaa	catgtggntt	caaaagaggg	actgaaacac	500
gggtccgaga	aataatacag	catccttcag	caaagggtaa	cctatgtccc	550
ccaacaaa	558				

```
<210> 156
<211> 695
<212> DNA
<213> Homo Sapien
```

```

<400> 156
atcnangtgg atgcagtctt cattgacana agtaacctgg anatcactcc 50
ggacnanccc cgctggatcn gagcctgggtg ggggtggcttt cngctctgcg 100
gtgccttaca cttcntcnnt tccctcttga tgtttggggt tccacagtcc 150
ctgcccccg c actcagaccc cgccatggaa agcgagcagg ccatgctctc 200
cgaaagagaa tacgagagac ccaagcccag caacgggggtc ctgaggcacc 250
ccctggagcc agacagcagt gcctcctgtt tccagcagct gagagtgatc 300
ccgaagggtca ccaagcacct gctctcaaac cctgtgttca cctgcatcat 350
cctggccgcc tgcattggaga ttgcagtggg ggctggcttc gctgcctttt 400
tggggaagta cctggagcag cagtttaacc tcaccacctc ttctgccaac 450
cagctgcttg ggatgactgc gatcccgtgt gcttgtctgg gtatcttcct 500
gggaggtctt ttggtgaaga agctcagcct gtctgccctg ggggccattc 550
ggatggccat gctcgtcaac ctgggtgtcca ctgcntgcta cgtctccttc 600
ctcttcctgg gctgcgacac tggccctgtg gctgggggtta ctgttcctta 650
tggaacagc acagcacctg gctcagccct ggacccttac tcgcc 695

```

```
<211> 574
<212> DNA
<213> Homo Sapien
```

```
<220>
<221> unsure
<222> 53, 66, 73, 85, 90, 124, 216, 429, 444, 474
<223> unknown base
```

```
<210> 158
<211> 779
<212> DNA
<213> Homo Sapien
```

```
<400> 158
 ctaattttat caaaggccnt ttttcccaaa gccatccatc atcccattat 50
 taatctgnac tgttgcaaca tggctattgt ctgaaatttt atgagttact 100
 atcctgggat ttccctttat ctttctgtat tagaccttct gtttcttgga 150
 acctatgtca tccatcttga tgtactccct tattttgata gtgtatatcc 200
 tttagtggct tcctaagaaa aagtgcatag atagtaaaat tttgagacct 250
 tgcatagctg atagttttat tctaacttca ctcttggttg attagtttaa 300
 cagggtagaa aatttcaggt tgaataccag ttttcttcag tatttgaagg 350
 tgttatttta ttgatttcga actttcaaca ttgctggtga aatctgaagt 400
 tattctgatt ctgatctttt gtatataagt ctttatgacc tctaaaagtt 450
 ttcagaattc tgtttgttta tggaattctg aaagttgatg atgtaccata 500
```

gtggaataact ttacatttta ttgtactggg tattccaaag gcccttttta 550
 tccaaaaact catgtctttt agtgctggaa atttttcttt tgttattttc 600
 atatttttct tccccttttt tctcttttcg ctttctggaa tgctgttgg 650
 tcaaagtca gattttctga ctcatctat acaattagaa agcacacca 700
 agtttctctg tggaactact ccagtggagc cttcagtgtg gtcattctctg 750
 ggcagagata ctatagattt actgctaag 779

<210> 159
 <211> 358
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 39, 60, 91
 <223> unknown base

<400> 159
 tcaggatgtt ctttaattggg gaagaaatca ttttttcctt acaaaaaacc 50
 aagcacttcn tggggccgga ttacactgaa acattgtact naccagagg 100
 agaggaaatt accacgaaac ctgagaacat ggaacactgt tactataaag 150
 gaaacatcct aaatgaaaag aattctgttg ccagcatcag tacttgtgac 200
 gggttgagag gatacttcac acatcatcac caaagatacc agataaaacc 250
 tctgaaaagc acagacgaga aagaacatgc cgtctttaca tctaaccagg 300
 aggaacaaga cccagctaac cacacatgtg gtgtgaagag cactgacggg 350
 aaacaagg 358

<210> 160
 <211> 362
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22, 55
 <223> unknown base

<400> 160
 atgctgcgtg ggatctccca gntacctgca gtggccacca tgtcttgggt 50
 cctgntgcct gtactttggc tcattgttca aactcaagca atagccataa 100
 agcaaacacc tgaattaacg ctccatgaaa tagtttgtcc taaaaaactt 150
 cacattttac acaaaagaga gatcaagaac aaccagacag aaaagcatgg 200
 caaagaggaa aggtatgaac ctgaagttca atatcagatg atcttaaagt 250
 gagaagaaat cattctctcc ctacaaaaaa ccaagcacct cctggggcca 300
 gactacactg aaacattgta ctcaccaga ggagaggaaa ttaccacgaa 350

acctgagaac at 362

<210> 161
<211> 479
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 160
<223> unknown base

<400> 161
gtttgggcta acaggatctc ctcttgacgt ctgcagccca ggacgctgat 50
tccagcagcg ccttaccgcg cagcccgaag attcactatg gtgaaaatcg 100
ccttcaatac ccctaccgcc gtgcaaaaagg aggaggcgcg gcaagacgtg 150
gaggccctcn tgagccgcac ggtcagaact cagatactga ccggcaagga 200
gctccgagtt gccacccagg aaaaaaaggg ctccctctggg agatgtatgc 250
ttactctctt aggcctttca ttcattcttg caggacttat tgttggtgga 300
gcctgcattt acaagtactt catgcccagg agcaccattt accgtggaga 350
gatgtgcttt tttgattctg aggatcctgc aaattccctt cgtggaggag 400
agcctaactt cctgcctgtg actgaggagg ctgacattcg tgaggatgac 450
aacattgcaa tcattgatgc gcctgtccc 479

<210> 162
<211> 307
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 65, 204
<223> unknown base

<400> 162
tgtcacaggt gggaaagaaa cggactgtgg gccctctctt ggattagcgg 50
cgggcatacc attgntgggtg gccacagccc tgctgggtggc ttactatatt 100
actttgattc accgaagaag aagcagcatt gaggccatgg aggaaagtga 150
cagaccatgt gaaatttcag aaattgatga caatcccaag atatctgaga 200
atcntaggag atcaccacaca catgagaaga atacgatggg agcacaagag 250
gccacatat atgtgaagac tgtagcagga agcgaggaac ctgtgcatga 300
ccgttac 307

<210> 163
<211> 502
<212> DNA
<213> Homo Sapien

<220>
 <221> unsure
 <222> 188
 <223> unknown base

<400> 163
 tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tgtgtgtgtg tataggcttt 50
 aaaatgtata tgtcttgcca tactgaaccc atgttgaagc catatttcca 100
 cagggtata gctggcagaa ctgagttaag ggttgcccct tttagatgag 150
 gcatatgctc tcccatacctc cacagttcac actatgcntg cttatctctt 200
 actgatatta gatattagta atagtcacat ttatgcattg tctttattta 250
 aaaaaatagt tctctttttt atgacagtag caatagttag aatatgaaag 300
 agagaagagg atttatacctt gccctactca attccttgat atcatctgcc 350
 tggtaatgag gtgttggagc tggctaatac tgacttatga gagcatattg 400
 ttaaataattc aggaatttta ccagcagcaa ccaccattgg tagattggaa 450
 tcagccacag tgggagtatt tacaccaggg aaatcaacga acattacaaa 500
 tc 502

<210> 164
 <211> 238
 <212> DNA
 <213> Homo Sapien

<400> 164
 tttcaaaaaa aaaaaagtgc ttctagtaaa taacacataa cttttgtttt 50
 ataacccaat gttacagtcc ctctcttata ggagaaccca atccattcag 100
 tttatcagtg atatgcctgt ttttgtgtgt tccatcggac tttgtttcct 150
 tttttcgatt ttgttattgt ttccaccttt tcaattttct tacatttggt 200
 ggctctctca agcttctggt tattccccct ctccctcc 238

<210> 165
 <211> 702
 <212> DNA
 <213> Homo Sapien

<400> 165
 cccgctgctc gggcactgct tatatacgcc taacacctac atatatttta 50
 aaaacattaa atataattaa caatcaaaag aaagaggaga aaggaaggga 100
 agcattactg ggttactatg cacttgcgac tgatttcttg gctttttatc 150
 attttgaact ttatggaata catcggcagc caaaacgcct cccggggaag 200
 gcgccagcga agaatgcac ctaacgtag tcaaggctgc caaggaggct 250
 gtgcaacatg ctcagattac aatggatggt tgtcatgtaa gccagacta 300
 ttttttgctc tggaaagaat tggcatgaag cagattggag tatgtctctc 350

```
ttcatgtcca agtggatatt atggaactcg atatccagat ataaataagt 400
gtacaaaatg caaagctgac tgtgatacct gtttcaacaa aaattttctgc 450
acaaaatgta aaagtggatt ttacttacac cttggaaagt gccttgacaa 500
ttgcccagaa gggttggaag ccaacaacca tactatggag tgtgtcagta 550
ttgtgcactg tgaggtcagt gaatggaatc cttggagtcc atgcacgaag 600
aagggaaaaa catgtggctt caaaagaggg actgaaacac ggggtccgaga 650
aataatacag catccttcag caaagggtaa cctgtgtccc ccaacaaatg 700
aq 702
```

```
<210> 166
<211> 365
<212> DNA
<213> Homo Sapien
```

```
<220>
<221> unsure
<222> 28, 34, 93, 126, 145, 151, 161, 195
<223> unknown base
```

```
<400> 166
  ggattacaac  ccccgaggagc  gcgccctnta  tacntggaac  aacggccacc  50
  aggtgctata  caatgtcacc  ctgtttcacg  tcatcagcac  ctntggggggc  100
  ccttttcatt  cgtgcctgtg  tccccncaag  ggtgatctct  atgtntatgt  150
  nacgcccttt  ntccccgect  ttttgctggg  cttttgttct  ctgentatgt  200
  atttctgtct  attttttcaa  tttccctct  tctcctttat  tgatctctgc  250
  ttttaataca  ccacttcttt  ctttctgcct  ttttatggat  gtctttttct  300
  ttttatggct  ctggttctcc  agttctttcc  gtctctgcct  ctctctgtct  350
  ctctctctct  qtcct  365
```

```
<210> 167
<211> 452
<212> DNA
<213> Homo Sapien
```

```
<220>  
<221> unsure  
<222> 26  
<223> unknown base
```

```
<400> 167
tcagcaaaac gtggatttaa atctcnttgc acaagcttga gagcaacaca 50
atttatcagg aaagaaagaa agaaaaaaac cgaacctgac aaaaaagaag 100
aaaaagaaga agaaaaaaaaa tcatgaaaac catccagcca aaaatgcaca 150
attctatctc ttggggcaatc ttcacggggc tggetgctct gtgtctcttc 200
caaggagtgc ccgtgcgccag cggagatgcc accttcccca aagctatgga 250
```


caacgtgacg gtccggcagg gggagagcgc caccctcagg tgcactattg 300
 acaaccgggt caccgggtg gcctggctaa accgcagcac catcctctat 350
 gctgggaatg acaagtgggt cctggatcct cgcgtgggtcc ttctgagcaa 400
 cacccaaacg cagtacagca tcgagatcca gaacgtggat gtgtatgacg 450
 ag 452

<210> 168
 <211> 443
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 24, 110-111, 122, 134, 275
 <223> unknown base

<400> 168
 ggagtggctt cccctactgc gtgntttgac gcccatcccg gtgctcacgt 50
 ggtttttccc ccatcatcgg ccacatgggc atctgcacat ccacaggagt 100
 cattcgggan ntcgcgggcc cntactttgt ctngaggac aacatggcct 150
 ttggaaagcc tgccaagtac tggaagtgg accctgctca ggtctatgct 200
 agcgggcccc acgcatggga cacggctgtg cacgacgcct ctgaggagta 250
 caagcaccgc atgcacaatc tctgntgtga caactgccac tcgcacgtgg 300
 cattggccct gaatctgatg cgctacaaca acagcaccaa ctggaatatg 350
 gtgacgctct gcttctcttg cctgctctac gggaagtacg tcagcgttgg 400
 ggccttcgtg aagacctggc tgcccttcat ccttctcctg ggc 443

<210> 169
 <211> 319
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 54, 163, 203
 <223> unknown base

<400> 169
 tgggagatgt atgcttactc tccttagcct ttcattcatc ttggcaggac 50
 ttantgttgg tggagcctgc atttacaagt acttcatgcc caagagcacc 100
 atttaccgtg gagagatgtg cttttttgat tctgaggatc ctgcaaattc 150
 ccttcgtgga gngagccta acttcctgcc tgtgactgag gaggctgaca 200
 ttngtgagga tgacaacatt gcaatcattg atgtgcctgt cccagtttc 250
 tctgatagtg accctgcagc aattattcat gactttgaaa agggaatgac 300
 tgcttacctg gacttccag 319

<210> 170
<211> 383
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 87, 117, 120, 124
<223> unknown base

<400> 170
ggaagcaaag gaggaagatc taccacagaa ggttgaggaa aagttcaacc 50
tcacacaagc acagatcaaa cagacagctt ggaattnagc aaacaacagt 100
ttttacacca gtagcangan ttcntattgt taactttgat tatagcatgg 150
aggaaaagtt tgaatccttt tcaagttttc ctggagtaga atcaagttat 200
aatgtgttac caggaaagaa gggacactgt ttggtaaagg gcataaccat 250
gtacaacaaa gctgtgtggc cgctgagcc ctgcactacc tgcctctgct 300
cagatggaag agttctttgt gatgaaacca tgtgccatcc ccagaggtgc 350
cccaaacag ttatacctga aggggaatgc tgc 383

<210> 171
<211> 636
<212> DNA
<213> Homo Sapien

<400> 171
actacattgc ctggaggaag cctaaggaac ccaggcatcc agctgcccac 50
gcctgagtcc aagattcttc ccaggaacac aaacgtagga gacccacgct 100
cctggaagca ccagccttta tctcttcacc ttcaagtccc ctttctcaag 150
aatcctctgt tctttgccct cttaaagtctt ggtacatcta ggacccaggc 200
atcttgcttt ccagccacaa agagacagat gaagatgcag aaaggaaatg 250
ttctccttat gtttgggtcta ctattgcatt tagaagctgc aacaaattcc 300
aatgagacta gcacctctgc caacactgga tccagtgtga tctccagtgg 350
agccagcaca gccaccaact ctgggtccag tgtgacctcc agtgggggtca 400
gcacagccac catctcaggg tccagcgtga cctccaatgg ggtcagcata 450
gtcaccaact ctgagttcca tacaacatcc agtgggatca gcacagccac 500
caactctgag ttcagcacag cgtccagtgg gatcagcata gccaccaact 550
ctgagtccag cacaacctcc agtggggcca gcacagccac caactctgag 600
tccagcacac cctccagtgg ggccagcaca gccacc 636

<210> 172
<211> 480
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 21, 99, 162
<223> unknown base

<400> 172
tacattgcct tggaggaagc ntaaggaacc caggcatccc agctgcccac 50
gcctgagtcc aagattcttc ccaggaacac aaacgtagga gacccacgnt 100
cttggaagca ccagccttta tctcttcacc ttcaagtccc ctttctcaag 150
aatcctctgt tntttgccct ctaaagtctt ggtacatcta ggacccaggc 200
atcttgcttt ccagccacaa agagacagat gaagatgcag aaaggaaatg 250
ttctccttat gtttgggtcta ctattgcatt tagaagctgc aacaaattcc 300
aatgagacta gcacctctgc caacactgga tccagtgtga tctccagtgg 350
agccagcaca gccaccaact ctgggtccag tgtgacctcc agtgggggtca 400
gcacagccac catctcaggg tccagcgtga cctccaatgg ggtcagcata 450
gtcaccaact ctgagttcca tacaacctcc 480

<210> 173
<211> 390
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 9, 43, 51, 54, 120
<223> unknown base

<400> 173
gacaaaggnt catttgtaaa gaagctcctt ccagcacctc ctntcttctc 50
ntntngccca aactcaccca gtgagtgtga gcattttaag aagcatcctc 100
tgcccaagac caaaaggaan gaagaaaaag ggccaaaagc caaaatgaaa 150
ctgatgggtac ttgttttcac cattgggcta actttgctgc taggagttca 200
agccatgcct gcaaactgcc tctcttgcta cagaaagata ctaaaagatc 250
acaactgtca caaccttccg gaaggagtag ctgacctgac acagattgat 300
gtcaatgtcc aggatcattt ctgggatggg aagggatgtg agatgatctg 350
ttactgcaac ttcagcgaat tgctctgctg cccaaaaaac 390

<210> 174
<211> 451
<212> DNA
<213> Homo Sapien

<400> 174
gtttggtgtaag actccagact ccagctaaca gtccctatgg aaagatggca 50
tcaaaaaaga tagatctata tatatatata aatatatatt ctattacatt 100
ttcagtgagt aattttggat ttgcaagggt gcatttttac tattgttaca 150

ttatgtggaa aacttatgct gatttattta agggggaaaa agtgtcaact 200
 ctttgttatt tgaaaacatg tttatttttc ttgtctttat tttaaccttt 250
 gatagaacca ttgcaatatg ggggcctttt gggaacggac tggatatgtaa 300
 aagaaaatcc attatcgagc agcattttat ttaccctctc cctatcccta 350
 ggcaacttaac caagacaaaa agccacaatg aacatccctt tttcaatgaa 400
 ttttataatc tgcagctcta ttccgagccc ttagcaccca ttccgaccga 450
 g 451

<210> 175
 <211> 692
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 17, 42, 97, 173
 <223> unknown base

<400> 175
 cggattggat ggattgnttg aacggattgg gttgggggaa gnaaagggaa 50
 aggagggaga aaggagggaa taactgggct ccatcttttg agagctnttg 100
 gttgggcaag ggcagaaaac aggccacag tgctcaacc cggacaccct 150
 cacgaagggt cgcaaagtca ctnccttggtg cttcagattg ctcttttagga 200
 cctggaggga cagaccaga atcagggtcc cctcctttac cccctgagtt 250
 ccttactgtt cccccaagcc tgggagcagt ctatcccca accctgccat 300
 ctcccttact catccctctt ccacagcttc ccctttctag cccctctgc 350
 cctacctgtc tttcctgagt gtttgagggg agagagagac ccacatctcc 400
 ccaaagagat gagcttttg ggcacaacat cccaccgcag gcccctcac 450
 ccgacaacac ctctacctg gcccttgcc aaatcccaag cagaattagc 500
 aacaggaaaa gcagagcccc aggagagaca ctctactata tatactcttc 550
 tatatatctt gtttctattg tatattcact ctgtacatgt ggggtgtaa 600
 gctgttaa at gacaaacca atattatact gtggctgggt gactattttc 650
 atcctcagtg ctgtacagat ctattttcat tgtatatattg at 692

<210> 176
 <211> 358
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 59
 <223> unknown base

<400> 176
 tggatgggcg gccagcgatg accccattga gaaggatcatt gaagggatca 50
 accgagggnt gagcaatgca gagagagagg tgggcaaggc cctggatggc 100
 atcaacagtg gaatcacgca tgccggaagg gaagtggaga aggttttcaa 150
 cggacttagc aacatgggga gccacaccgg caaggagttg gacaaaggcg 200
 tccaggggct caaccacggc atggacaagg ttgcccata gaatcaaccat 250
 ggtattggac aagcaggaaa ggaagcagag aagcttggcc atgggggtcaa 300
 caacgctgct ggacagggca accatcaaag cggattttcc agccatcaag 350
 gaggggccc 358

<210> 177
 <211> 450
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 49, 58, 74, 283
 <223> unknown base

<400> 177
 gaccttccca gcaatatgca tcttgacagt ctggtcggct cctgctccnt 50
 ccttctgnta ctggggggccc tgtntggatg ggcggccagc gatgacccca 100
 ttgagaaggt cattgaaggg atcaaccgag ggctgagcaa tgcagagaga 150
 gaggtgggca aggccctgga tggcatcaac agtggaatca cgcattgccg 200
 aagggaagtg gagaagggttt tcaacggact tagcaacatg gggagccaca 250
 ccggcaagga gttggacaaa ggcgtccagg ggntcaacca cggcatggac 300
 aaggttgccc atgagatcaa ccatggtatt ggacaagcag gaaaggaagc 350
 agagaagctt ggccatgggg tcaacaacgc tgctggacag gttgggaagg 400
 aggcagacaa actgatccat catgggggtcc atcacggggc caaccaggcg 450

<210> 178
 <211> 489
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 8, 64, 66, 68, 149, 302, 461
 <223> unknown base

<400> 178
 attgaatnac agtttttctg gtttttttgt ggagtttttg ttttggtttt 50
 tgagatggag tttngntntt gttccccagg ctggagtgtg gtggtgcat 100
 ttccgcttac cgcaacttct gcttccccggg ttcaggcagt tttcctgcnt 150
 cggcttctg agtggctggg attacgggca tgcaccgtcg cggccactg 200

gttttgtatt ttttttagtag agacgggggtt tttccgtgtt ggtcaggctg 250
 gtctcgaact cccgacctca ggtgatccgc ccgcctcggc ctcccaaggt 300
 tntgggattg caggtgtgag ccaccgtgcc cggctgtttt ttgtgggttt 350
 tttgtttgtt tggttggttt tgagacagag tcttgctctg tctactcaggc 400
 tggagtgcag tggcacagtc tcggctcact gcaacctctg cctcctgagt 450
 tcaagccatt ntctgcctc ggccccctca gtagctggg 489

<210> 179
 <211> 495
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 78, 212, 234, 487
 <223> unknown base

<400> 179
 gggcgagaag taggggaggg cgtgttccgc cgcggtggcg gttgctatcg 50
 ttttgcagaa cctactcagg cagccagntg agaagagttg agggaaagtg 100
 ctgctgctgg gtctgcagac gcgatggata acgtgcagcc gaaaataaaa 150
 catcgcacct tctgcttcag tgtgaaaggc cacgtgaaga tgctgcggct 200
 ggcactaact gngacatcta tgaccttttt tatnatcgca caagcccttg 250
 aaccatatat tgttatcact ggatttgaag tcaccgttat cttatttttc 300
 atacttttat atgtactcag acttgatcga ttaatgaagt gggtattttg 350
 gcctttgctt gatattatca actcactggg aacaacagta ttcattgctca 400
 tcgtatctgt gttggcactg ataccagaaa ccacaacatt gacagttggg 450
 ggaggggtgt ttgcacttgt gacagcagta tgctgtnttg ccgac 495

<210> 180
 <211> 552
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 12, 25, 65, 130, 437, 537
 <223> unknown base

<400> 180
 gggaggctgt gnccgttttg tttntttggc taaaatcggg ggagtgaggc 50
 ggcccggcgc ggcgngacac cgggttccgg gaaccattgc acgacggggg 100
 ggactgacct gaaaaaaatg tttggatttn tagagggctt gagatgctca 150
 gaatgcattg actgggggga aaagcgcaat actattgctt ccattgctgc 200
 tgggtgtacta ttttttacag gctgggtggat tatcatagat gcagctgtta 250

tttatccac catgaaagat ttcaaccact cataccatgc ctgtggtggt 300
 atagcaacca tagccttcct aatgattaat gcagtatcga atggacaagt 350
 ccgaggtgat agttacagtg aagggtgtct gggtaaaca ggtgctcgca 400
 tttggctttt cgttggtttc atgttggcct ttggatntct gattgcatct 450
 atgtggattc tttttggagg ttatgttgct aaagaaaaag acatagtata 500
 ccctggaatt gctgtatttt tccagaatgc cttcatnttt tttggagggc 550
 tg 552

<210> 181
 <211> 690
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 18, 87, 89, 97, 127, 148, 170, 221, 232, 357, 426, 478, 561
 <223> unknown base

<400> 181
 ttcttttttag agattccntt ggaccttgac ccaagggttc cgacagggtt 50
 ttttttgaat tttggaacag acctttatat tttgggncna gaagttngcc 100
 cagaaagcag caggggtttt gcctggntgt agagcccagt tcattggntg 150
 tccctgggtt tgtttccttn ttccgagtag ttgtgccttt tttcagatca 200
 ggttaccaca atgctccccg ntgtgacgtt tnatcccca cacttccagc 250
 ccagttacc tggagttttt cagaaccac tttgccggtg ttaaaacaca 300
 agagggggtg aaagtggctg ccagtaatgg ccagaaacca accaccagag 350
 gccaggntga aagacaagtt ccgggtgtcc aggggctgac gggccaacca 400
 tgtggcaggt ccaggcccc acccantgcg ccatccgctt ctgagctcca 450
 cagtgggtccc actaatggga acctcctnta gggagagtga tactgcacct 500
 tcaccgtag gactcatatt tataacaatg tgtaatggct gtagcaaaaa 550
 gcccttggtt ntagatgtaa atggtaaag aaacaagcgt tttattgttt 600
 tgaataaaaat agttcaaatg agtcctgtat cattgtatct cctattctgg 650
 attagtgcct tttggacagt agactgttct gtaattaaaa 690

<210> 182
 <211> 468
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 59, 95, 149, 331, 364, 438, 446
 <223> unknown base

<400> 182
aattttcacc gctgtaggaa tccagatgca ggccaagtac agcagcacga 50
gggacatgnt ggatgatgat gggacaccac catgagcctg cattntcaag 100
cttttgccac aattcggcat ccagagcccc ggcgcacaga gcacagggnt 150
cctttttcaa cgtggcgacc agtggccctg accctgctga ctttgtgctt 200
ggtgctgctg atagggctgg cagccctggg gcttttgttt tttcagtact 250
accagctctc caatactggt caagacacca tttctcaa at ggaagaaaga 300
ttaggaaata cgtcccaaga gttgcaattt nttcaagtcc agaataataa 350
gcttgcagga agtntgcagc atgtggctga aaaactctgt cgtgagctgt 400
ataacaaagc tggaggaact ttgaaggagg gcaaagtntc ctcatntact 450
atacacacac cacttccc 468

<210> 183
<211> 227
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 21, 50, 84, 90, 111, 131, 154, 174-175, 189, 201
<223> unknown base

<400> 183
tcacagcatg agagagatcc ntggtatagc tgggaccagc cgggcctgan 50
gttgaactgg ggtgaaccga tgcactggca cctngacatn tacaacagga 100
accgtgtgga nacatcccc acacctgttt nttggcatgt catgtgtatg 150
cagntcttcg gtttcctggc tttntgata ttcattgtnt ggggtgggga 200
ngtgtaccct gtctaccagc ctgtggg 227

<210> 184
<211> 474
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 33, 105, 126, 184, 199, 206, 218, 236
<223> unknown base

<400> 184
gaaagaagga aataaacaca ggcaccaaac cantatccta agttgactgt 50
ccttttaaata tgtcaagatc cagacttttc agtgtcacct cagcgatctc 100
aacgntaggg atcttggtgt tgccgntatt ccagttgggt ctctcggacc 150
taccatgcga agaagatgaa atgtgtgtaa attntaatga ccaacacct 200
aatggntgggt atatctgnat cctcctgctg ctggtnttgg tggcagctct 250
tctctgtgga gctgtgggtcc tctgcctcca gtgctggctg aggagacccc 300

gaattgattc tcacaggcgc accatggcag tttttgctgt tggagacttg 350
gactctatatt atgggacaga agcagctgtg agtccaactg ttggaattca 400
ccttcaaact caaacccttg acctatatcc tgttcctgct ccatgttttg 450
gccctttagg ctcccctcct ccct 474

<210> 185
<211> 340
<212> DNA
<213> Homo Sapien

<400> 185
ccgaaacgcg gtctttctct agacgcgtct tgctgggaga gtgtccggtg 50
cttcccgtcc gtgtcgcggc cctgcgggtg gcggcctcct cgtggagcgg 100
agcaaggctg agatctgtat ctgtggacct gaatgttgat ccctcgcttc 150
agattgacat acctgatgcg ctcaagtga gagacaaagt caaatttaca 200
gtgcacacaa agaccacact gccacgttt cagagcccag agttttctgt 250
tacaaggcaa catgaagact ttgtgtggct acatgacact cttattgaaa 300
caacagacta tgctgggctt attattccac ctgctctttg 340

<210> 186
<211> 411
<212> DNA
<213> Homo Sapien

<400> 186
ggctggagca aatgctccac agctgccgaa tccagaagtc agatttcagc 50
aacaactgga acagctcaac gcaatggggg tcttaaaccg tgaagcaaac 100
ttgcaggccc taatagcaac aggaggcgac atcaatgcag ccattgaaag 150
gctgctgggc tcccagccat cgtaatcaca tttctgtacc tggaaaaaaa 200
tgtatcttat ttttgataat ggctcttaaa tctttaaaca cacacacaaa 250
atcgttcttt actttcattt tgattctttt aaatctgtct agttgtaagt 300
ctaatatgat gcattttaag atggagtccc tccctcctac ttccctcact 350
ccctttctcc tttgcttatt tttcctacct tcccttcctc ttgtctcccc 400
actcccctcc c 411

<210> 187
<211> 277
<212> DNA
<213> Homo Sapien

<400> 187
cttagcataa acctacaggg ccctgtgtga tcggactcct gccacttga 50
catgttagtt acttgcccct cgttgcttcg tgctttacct tccagaatca 100
ttaaactgct gatgtttccc aaaaataact atgtacctgg gtcagctcat 150

gctggcatgg agttctcgtc catcaccatg cccaccctgg cttctttgag 200
cgcccgata atatatatct ctaccatcat acttcatata ttttggtata 250
attgctgggt ttatttgctt ctgtgggt 277

<210> 188
<211> 294
<212> DNA
<213> Homo Sapien

<400> 188
aaaaatcctg gttttttttt ggtttttttt ttgctgtgcc ctagaccatt 50
acataactga agactccac cttcaggcag gtttgggtag tacacgtttg 100
taactacctg gcattgcctt ttgttgaagt aatttcagtt tttattagta 150
gtagtagtag tatacttttg gttctacagt atatgttcac aatgtgcagg 200
tttgttacat atgtatacat gtgccatgtt tgtttgcctgc acccattaac 250
tggtcattta cattgggtat ttctcctaact actatcccc ccgc 294

<210> 189
<211> 385
<212> DNA
<213> Homo Sapien

<400> 189
gtaacatttg ggagtgacaa gactgttcat cagcttgggg cctggcagca 50
acttttctag agttagcttt tttctccttt cttgttccat gacttaaaaa 100
taataacttg ttgggcatgg tgcctcattc ttgtaatccc agcactttgg 150
gaggctgagg cacttgtggc caggagttca agactagcct gggcaacgta 200
gtagatgccc tccccgccac catctctaca aaagaaaaaa agttaactct 250
tgatttgctt tctagtagtg ggtgaatttg gagttccaat gattgtcaac 300
ccattaattc ttcatttact gaacatctcc ttatgtttca gatgctgcaa 350
agatgtacaa gactttgttt cctaccctcc ttttt 385

<210> 190
<211> 134
<212> DNA
<213> Homo Sapien

<400> 190
tgcaatctgc cttgtgtgct gttgtaaaca agttagtgtt caaccagtgt 50
ttaaagtgtc tgttttaaaa gctctaatta tggtagtatt tccatttcct 100
tttacaacac cttttatttt gttcctccag gttc 134

<210> 191
<211> 245
<212> DNA
<213> Homo Sapien

<400> 191
 ttttaaaaaa aaaaaaaaaac aaagaaattc tatgttaact caataccaac 50
 atcttgcaga actagagtac aatatcacag ccaggatgtt gaccttgata 100
 cgagccatca gtcttattcg ggttttccca aatttacttt gtgtgtgtgt 150
 gtgtctgtgt gtagttaggt ctatgctagt ttatgacgtg cagtttcatg 200
 tatctccac cacagccaac acacagaaca gttccatctc ccctc 245

<210> 192
 <211> 323
 <212> DNA
 <213> Homo Sapien

<400> 192
 ggtttcgcca tgttgcccaa gctgttcttg aactcccggg ctcaggatgat 50
 ccgcctccct cggcctccca gagtgctggg attacaggca cggaccacca 100
 tgcccagcct ccacatcttt ttttgcaactg tgtatactct tctgagacat 150
 gccaaacttcc tccagggtcaa gaaaggggta tatagctctc agcttcaactc 200
 tttcagggct gatgtcgctt ttgccttttc tcaacttcaact gacctgtcta 250
 ttctacaac tgtctctttc tagagaagcc tcaatgatca ggattgacag 300
 gccacactct cccccacctt tct 323

<210> 193
 <211> 481
 <212> DNA
 <213> Homo Sapien

<400> 193
 cagcatgagc tccctgtgtg tgcaaggcag ctctatgcgg ttctcgggtg 50
 ctctaggaa gcaactttca gtaccctcct gtgttgagtc cgattttcta 100
 aaagctgagc gggcatctag ggacctttct gtcactcagc cgactgtgtg 150
 gctgtggcca gctctgggtc tgctccccc agaactagat gcccatgggg 200
 agtccatcag caccaatctc ctgtgatcgt ttatacaaca gaatctccac 250
 tcaagtaaaa gtggggcctc ctctatctt gctgtttgtg tgtgtgttgg 300
 cagaccccag cgtggctgga acagatgatt gcacatacca cgtggcggga 350
 ccttttttat aaactggctg aagcccatcc agactgtttg atgctgaact 400
 tcaccgttaa ggtaggaaga gttctagagt taaggagaaa agtgtttatg 450
 aatgtttatt tttggttggt ggtctgtttg g 481

<210> 194
 <211> 184
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure

<222> 128
<223> unknown base

<400> 194
atagctctca gcttcactct ttcagggctg atgtcgccctt tgccttttct 50
cacttcactg acctgtctat tcctacaact gtctctttct agagaagcct 100
caatgatcag gattgacagg ccacactntc cccaccatt tttttctcct 150
ccttcaagcc tcttgtctgt ttcaccctct agtg 184

<210> 195
<211> 225
<212> DNA
<213> Homo Sapien

<400> 195
gtttaattat ggtatgcaac cactcatgta ttcggttcag gaagcattaa 50
atgccagacc atgggtggatt cgtatgggga ctgacatttg ttactataaa 100
aatcatttct caagaagttc agttgctgca ggtgggcaaa agggaaaatc 150
ctactataca attacattta ctgtcaattt tccacataaa gatgatgttt 200
gctactttgc ttatcactat ccttt 225

<210> 196
<211> 208
<212> DNA
<213> Homo Sapien

<400> 196
ctgacattca ttgtgatgag ggcagctttc tggtagagga ttctaagctc 50
tatgttttat atacattttc atctgtactt gcacctcact ttacacaaga 100
ggaaactatg caaagtttagc tggatcgctc aaggtcactt aggtaagttg 150
gcaagtccat gcttcccact cagctcctca ggtagcaag tctacttctc 200
tgctatag 208

<210> 197
<211> 403
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 112
<223> unknown base

<400> 197
atcttggccg tatgaaagta taacactaag aaaaaaattc atttttttca 50
aacgtaacct tccattcttt ctcccttttc ctctaaacta aaaccttctt 100
tcccatcttt tntttcttga accagactaa tctagacaaa gatctcagcc 150
tctgccagac agagtttagag gcagatttag aaaaaatgga gacgcttaat 200
aaagcaccca gtgcaaactg gccacaggta tttcctagtt tttctcatgc 250

catcagttcc ttttcaagct gtgctttggt ttcttctttg ttctatgggt 300
 ttgatgtag ttgaggtgac ggatgggtgat gctgggtatt ttaggctgca 350
 tggctttctg actactgttt tagactcctt cccccacacc taccagtta 400
 gta 403

<210> 198
 <211> 484
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 62, 150, 158, 195, 236
 <223> unknown base

<400> 198
 gttgaacgcc accgaggggtc aagtcacaga caagaagctg tgcagtcacc 50
 agtgtttcct cntgcccaga aacaaatcca ccaaaaaccc atacctctgc 100
 caagatttac agaaggggga aacccaactg tggatggggc cctaccagn 150
 ttttcatnta attccactat ttcagaacag gaagctggcg ttctntgcaa 200
 gccatgggtat gctggagcct gtgatcgaaa gtctgntgaa gaggcattgc 250
 acagatcaaa caaggatgga tcattttctta ttcggaaaag ctctggccat 300
 gattccaaac aaccatatac actagttgta ttctttaata agcgagtata 350
 taatattcct gtgcgattta ttgaagcaac aaaacaatat gccttgggca 400
 gaaagaaaaa tgggtgaagag tactttggaa gtgttgctga aatcatcagg 450
 aatcatcaac atagtccttt gggttcttatt gaca 484

<210> 199
 <211> 442
 <212> DNA
 <213> Homo Sapien

<400> 199
 ggcggtctggg ctgtttggtt tgagcgctcg ccgtcttttg gcggcagcgg 50
 cgacgcgagg gctcccggcc gccgcgctcc gctgggaatc tagcttctcc 100
 aggactgtgg tcgccccgtc cgctgtggcg ggaaagcggc cccagaacc 150
 gaccacaccg tggcaagagg acccagaacc cgaggacgaa aacttgtatg 200
 agaagaaccc agactcccat gggtatgaca aggaccccggt tttggacgtc 250
 tgggaacatgc gacttgtctt cttcttttggc gtctccatca tcttggctct 300
 tggcagcacc tttgtggcct atctgcctga ctacaggatg aaagagtggg 350
 cccgccgcga agctgagagg cttgtgaaat accgagaggc caatggcctt 400
 cccatcatgg aatccaactg cttcgacccc agcaagatcc ag 442

<210> 200
<211> 756
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 21, 31, 46, 68, 72, 95, 220
<223> unknown base

<400> 200
ggtccgaaaa gtaagttctt nttttgggct naacgggatt tccttntttg 50
cagtttttgca gccccagnac gntgattccc agcaggcgct ttacngggca 100
gcccgaagat ttcacttatg gtgaaaatcg cctttcaata cccttaccgc 150
cgtgcaaaaag gaggaggcgc ggcaagactt ggaggccctt cttgaccgca 200
acggtcagaa ctcaggatan tgaccggcaa ggagctccga gttgccaccc 250
aggaaaaaga gggctcctct gggagatgta tgcttactct cttaggcctt 300
tcattcatct tggcaggact tattgttggt ggagcctgca tttacaagta 350
cttcatgccc aagagcacca tttaccgtgg agagatgtgc ttttttgatt 400
ctgaggatcc tgcaaattcc cttcgtggag gagagcctaa cttcctgcct 450
gtgactgagg aggctgacat tcgtgaggat gacaacattg caatcattga 500
tgtgcctgtc cccagtttct ctgatagtga ccctgcagca attattcatg 550
actttgaaaa gggaatgact gcttacctgg acttgttgct ggggaactgc 600
tatctgatgc ccctcaatac ttctattgtt atgcctcaaa aaaatctggt 650
agagctcttt ggcaaactgg cgagtggcag atatctgcct caaacttatg 700
tggttcgaga agacctagtt gctgtggagg aaattcgtga tgttagtaac 750
cttggc 756

<210> 201
<211> 445
<212> DNA
<213> Homo Sapien

<400> 201
gatgggtttc caagcgttca ttcaaaaact tgctgggtaa tccccaggcc 50
tctatagctc agatcattgt cacagtcgta ctgggactgg ttataggtgc 100
catttacttt gggctaataa atgattctac tggaatccag aacagagctg 150
gggttctctt cttcctgacg accaaccagt gtttcagcag tgtttcagcc 200
gtggaactct ttgtggtaga gaagaagctc ttcatacatg aatacatcag 250
cggatactac agagtgtcat cttatttcct tggaaaactg ttatctgatt 300
tattacccat gaggatgtta ccaagtatta tatttacctg tatagtgtac 350
ttcatgttag gattgaagcc aaaggcagat gccttcttcg ttatgatgtt 400

tacccttatg atggtggtt attcagccag ttccatggca ctggc 445

<210> 202
<211> 700
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 66, 168
<223> unknown base

<400> 202
gcgggccccct tgggggtttgg attcaggatt tgttcctagt gtccaagatt 50
ttgttaggaa cttacngaag ttgatgctta cctacaaatc ttgattgaac 100
aattaaagct ttttgatgac aagcttcaaa actgcaaaga agatgaacag 150
agaaagaaaa ttgaactntc aaagagacaa caaatagcat ggtagaatca 200
attaaacact gcatttgtgtt gctgcagatt gccaaagacc agagtaatgc 250
ggagaagcac gcagatggaa tgataagtac tattaatccc gtagatgcaa 300
tatatcaacc tggtcctttg gaacctgtga tcagcacaat gccttcccag 350
actgtgttac ctccagaacc tgttcagttg tgtaagtcag agcagcgtcc 400
atcttcccta ccagttggac ctgtgttggc taccttggga catcatcaga 450
ctcctacacc aaatagtaca ggcagtggcc attcaccacc gagtagcagt 500
ctcacttctc caagccacgt gaacttgtct ccaaatacag tcccagagtt 550
ctcttactcc agcagtgaag atgagtttta tgatgctgat gaattccatc 600
aaagtggctc atccccaaag cgcttaatag attcttctgg atctgcctca 650
gtcctgacac acagcagctc gggaaatagt ctaaaacgcc cagataccac 700

<210> 203
<211> 513
<212> DNA
<213> Homo Sapien

<400> 203
catgcagtgc ttcagcttca ttaagaccat gatgacctc ttcaatttgc 50
tcatctttct gtgtggtgca gccctgttgg cagtgggcat ctgggtgtca 100
atcgatgggg catcctttct gaagatcttc gggccactgt cgtccagtgc 150
catgcagttt gtcaacgtgg gctacttctt catcgcagcc ggcgttgtgg 200
tctttgctct tggtttcctg ggctgctatg gtgctaagac tgagagcaag 250
tgtgcctcgt tgacgttctt cttcatcctc ctctcatct tcattgctga 300
ggttgcagct gctgtggtcg ccttggtgta caccacaatg gctgagcact 350
tcctgacgtt gctggtagtg cctgccatca agaaagatta tggttcccag 400

gaagacttca ctcaagtgtg gaacaccacc atgaaagggc tcaagtgctg 450
 tggcttcacc aactatacgg attttgagga ctcaccctac ttcaaagaga 500
 acagtgcctt tcc 513

<210> 204
 <211> 348
 <212> DNA
 <213> Homo Sapien

<400> 204
 gaatcgatag aaccgaggtg cagttggacc tgggagtgga caccaagatt 50
 ttaaaagctc caatttcaga gcaagagtcg aaaactcaca gataaagtta 100
 tagttatttc agggttctga aaagacgcag aacatgaagg gactcagaag 150
 tctggcagca acaaccttgg ctcttttctt ggtgtttgtt ttcttgggaa 200
 actccagctg cgctccgcag agactggttg agagaaggaa ctggactcct 250
 caagctatgc tctacctgaa aggggcacag ggtcgccgct tcatctccga 300
 ccagagccgg agaaaggacc tctccgaccg gccactgccg gaaagacg 348

<210> 205
 <211> 493
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 202
 <223> unknown base

<400> 205
 tccaggagac gactaaaatg ggctgtcttc atcgggtggaa tacaacataa 50
 tggagttgga acaagaactt gaaaatgtaa agactcttaa gacaaaatta 100
 gagaggcgaa aaaaggcttc agcatgggaa agaaatttgg tgtatcccgc 150
 tgttatgggt ctctttctta ttgagacatc catctcggtc ctcttggtgg 200
 cntgtaatat tctttgccta ttgggtgatg aaacagcaaa tgccaaaagg 250
 aacaaggggg cctggaatag gaaatgcctc tctttctacg tttggttttg 300
 tgggagctgc gcttgaaatc attttgattt tctatcttat ggtgtcctct 350
 gttgtcggct tctatagcct tcgatttttt ggaaacttta ctccaagaa 400
 agatgacaca actatgacaa agatcattgg aaattgtgtg tccatcttgg 450
 ttttgagctc tgctctgcct gtgatgtcga gaacactggg aat 493

<210> 206
 <211> 599
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure

<222> 38, 48, 191, 261
<223> unknown base

<400> 206
ctattagaga ttcccccttgg acccttggac ccaacggngt cccgggggnac 50
acccccctttt ttcagaaacc cagggctgtg taagagctgc ttggagtagg 100
caccctattt aaagaaaaaa atgaagaagc agcaataaag aagttgtaat 150
cgttacctag acaaacagag aactgggtttt gacagtgttt ntagagtgtc 200
ttttattatt ttcctgacag ttgtgttcca ccatgattac tttctccttc 250
agcgaatagg ntaaataaat atgaaacaga aaagcgtgta tcagcaaacc 300
aaagcacttc tgtgcaagaa ttttcttaag aaatggagga tgaaaagaga 350
gagcttattg gaatggggcc tctcaatact tctaggactg tgtattgctc 400
tgttttccag ttccatgaga aatgtccagt ttcctggaat ggctcctcag 450
aatctgggaa gggtagataa atttaatagc tcttctttaa tggttgtgta 500
tacaccaata tctaatttaa cccagcagat aatgaataaa acagcacttg 550
ctcctctttt gaaaggaaca agtgtcattg gggcaccaaa taaaacaca 599

<210> 207
<211> 578
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 49, 75, 77, 283, 458
<223> unknown base

<400> 207
tgcccttttcc tctgaccctt caggtccctc accgagtttt gctccaggng 50
tatattgaaa acatacccag tgctntntca agcaccact gcttagaggg 100
cccagatttc ttttccttct ttcccttgca gagctggaga ctgcatcggg 150
catctgggtgt ttaaaactaaa caggaaaact gactaaaggc ccacagtgtc 200
cattgtgtag actagctgcc ctccgatggg tgctctgatt atcagtgggt 250
ccagtgcagg gcctgtcact aaacaggcct canttctctc ttgggggctt 300
tcccatggga ggtgtggctt tttactctac atggaaatga ctctctgcag 350
ccacagaaca cagtcatttt ctgaattatc ccagtctctc atgcgccttg 400
gattcctcca gatgccttat atctcttgtg caaagttgtc taaaatttgg 450
ttcccagntt ccaagccttg ccttttggcc ttcctggaag tatttttgtt 500
gatgagtcgt ctgtcattat tctctaaaat gatttgcttt ttgtttcttt 550
cattcctatt tccacccac atatacac 578

<210> 208

<211> 588
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 332, 427, 444, 449, 480, 508, 541, 578
<223> unknown base

<400> 208
tctttctgta agactcaact gatatatatt atactgatgc aaatattaag 50
tagggcataa aaatatgctt ccataatatg aaatagatta ttcaataatt 100
gagaaacttt atgtgtaatc atgagagtat aagagtctgg attatctaac 150
attgtaggcc ctgtgtatgt acagttcaaa aagttcattt ataaaagtag 200
tttcctgttc ctagtgtgat gtatcacaaa ttgtgctgag gttatttttag 250
tatgtgtggt tcattcccgt gcttctgttc tgaagtcctg gaatacagtt 300
ttcagtgtaa ttaattcaac tgcacttaac antaatgtcc gtgttggtat 350
agaaatgtct aaatcctata ctctagttga ggaagatctt ccataatttt 400
atgggtattac acagggaaag ctatgantgc aggatcagtc taantatant 450
attaggtgca tgtattctct tttcactaan ttatacttgt ctatctagaa 500
tacaggtntt ccagtcagct ggtcatttac caggtgtgga nttaagttgc 550
tgggcttgca gtaagaattg ccagccantc attgtgcg 588

<210> 209
<211> 481
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 84
<223> unknown base

<400> 209
cgtgtggccc ccgcggtgcg gagtatgggg cgctgatggc catggagggc 50
tactggcgct tcctggcgct gctggggctc gcantgctcg tgggcttcct 100
gtcggtgatc ttcgccctcg tctgggtcct ccactaccga gaggggcttg 150
gctgggatgg gagcgacta gagtttaact ggcacccagt gctcatggtc 200
accggcttcg tcttcatcca gggcatcgcc atcatcgtct acagactgcc 250
gtggacctgg aaatgcagca agctcctgat gaaatccatc catgcagggt 300
taaatgcagt tgctgccatt cttgcaatta tctctgtggt ggccgtgttt 350
gagaaccaca atgttaacaa tatagccaat atgtacagtc tgcacagctg 400
ggttggactg atagctgtca tatgctattt gttacagctt ctttcaggtt 450
tttcagtctt tctgcttcca tgggctccgc t 481

<210> 210
 <211> 569
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 325
 <223> unknown base

<400> 210
 tttcatatac catggagtta cataaaacat ggcattttgt atctggcttc 50
 tttcacttaa tgttttcaag gttcattcag gctggagcgc ataatagatac 100
 tttattcctt tctatgggtg aataatatc cattgtatga atagaccata 150
 ttttgtctat ccattcatca gttgatggac atctgggtta tttctatttt 200
 tggctatcgt gaataatgct gccatggaca ttcacgtata agtttttgtg 250
 tggatatatg ttttcatttc tttggagtag agttgctggg tcatggggta 300
 accctagggt taagcttttg aggentacca gatttccaaa gtgactgcat 350
 cattttgcat tcccatcaac agtatatgaa ggttctaact tctctacatc 400
 ttcaccaata tttgttattg tctgtcttct tgacaaaagt tctcctagt 450
 ggtgtgaact ggtatcattt tgtggttttg atttgcattt cctggatgg 500
 tatgaatgtt gattttactt tcatgtgctt attggccatt gtatatcttt 550
 gggaaaatag ctattttcc 569

<210> 211
 <211> 416
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 291
 <223> unknown base

<400> 211
 gtcgaaagaa gcttatctgc aaaagatata atgaaaaatg ggaagagcaa 50
 tcatctcaaa cagttccggg ttgctgccct tttggctttc ctaggtgcta 100
 cagtagcagg ctgttttccc cttttccata gaggggaata ttctgcatca 150
 cccctttgtt tgccatttcc tacagggtgaa acgccatcat taggattcac 200
 tgtaacgtta gtgctattaa actcactagc atttttatta atggccgtta 250
 tctacactaa gctatactgc aacttggaaa aagaggacct ntcagaaaac 300
 tcacaatcta gcatgattaa gcatgtcgtt tggctaattc tcaccaattg 350
 catctttttc tgccctgtgg cgtttttttc atttgcacca ttgatcactg 400
 caatctctat cagccc 416

<210> 212
 <211> 765
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 25, 55, 63, 76, 81, 389, 626, 761
 <223> unknown base

<400> 212
 ttttggcctg ttggaatttc cccanttttt ttccccagga ggatttgccc 50
 aaaantgagc ttntattggg acaggnggca nttggatttt tggagtaggt 100
 gggcttttgt ttttgggggc tgcaattggg ttgtcttaga ggttcaggag 150
 gggaaattat atggaagggt cccaaattgc attactttac aaactcattg 200
 tactctgttt ggccattagt cttccttagg aatcggacga ttagccatta 250
 taaaatcaat aggctatcag gaacatttaa cagagtattg gagttcactg 300
 gaactttttc ttaccataa tagttgtgaa attgataaca cactgctgt 350
 tgattatttt tcccctaaat aagtcctgga ttattgcctt cggcattact 400
 gtattatacc agctagccct tgactttacc tcaactgaaga ggttaatat 450
 atatggcact gatggtagtg gcacacgggt tgggtctatta aatgccaacc 500
 gcgaaggaat aatctctacc ctgggggatg tggcaataca catggctggg 550
 gtgcaaacag gggtatatat gcataagaac cgatcacata tcaaagactt 600
 gataaaagta gcctgttttc ttttantggc agctattagc ctcttcatat 650
 ctctttacgt agttcaagta aatgtagaag cagtatctcg aagaatggca 700
 aatttagcct tttgtatttg gatagttgct tctagcctga tccttcttag 750
 tagtttatta ntggg 765

<210> 213
 <211> 500
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 117, 181, 219, 297, 397, 415
 <223> unknown base

<400> 213
 ggcggaactg aagttttttc ttaattatca tgtgacgggt tctggattta 50
 atgggggggaa aagggcggaa taggacaagg atccaaactg gcgaatttgc 100
 tgatcttcgg gtccctntcc gctttccggc cggcagcgct gccagggtat 150
 atttcctttt ttccgatcct gcaacagcct ntttaaactg tttaaagtag 200
 aatgtccttg gctcagagng tactactcac ctggcttttc acactactct 250

tcttgatcat gttggtgttg aaactggatg agaaagcacc ttggaantgg 300
 ttcctcatat tcattccagt ctggatattt gatactatcc ttcttgtcct 350
 gctgattgtg aaaatggctg ggcgggtgtaa gtctggcttt gaccctngac 400
 atggatcaca caatnttaaa aaaaaagcct ggtacctcat tgcaatgtta 450
 cttaaattag ccttctgcct cgcactctgt gctaaactgg aacagtttac 500

<210> 214
 <211> 500
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 1, 15, 24, 49, 94, 126, 158, 196
 <223> unknown base

<400> 214
 nacggtgaat ttttngaagc caangaagga gatttgcaca ggatagaant 50
 cccattcaaa ttccacatgt tgcattcagg gttggtccac ggcntggctt 100
 tctggtttga cgttgccttc atcggntcca taatgaccgt gtggctgtcc 150
 acagcccnga cagagcccct gaccactgg taccaggtgc ggtgcntggt 200
 ccagtcacca ctgttcgcca aggcagggga cacgctctca gggacatgtc 250
 tgcttattgc caacaaaaga cagagctacg acatcagtat tgtggcccag 300
 gtggaccaga ccggctccaa gtccagtaac ctcttgatc tgaaaaaccc 350
 cttcttttaga tacacgggca caacgcctc acccccaccc ggctcccact 400
 acacatctcc ctcggaaaac atgtggaaca cgggcagcac ctacaacctc 450
 agcagcggga tggccgtggc agggatgccg accgcctatg acttgagcag 500

<210> 215
 <211> 739
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 98, 103, 114, 178
 <223> unknown base

<400> 215
 tggccggatc cctttagaaa tcccttggac cttggacca aggtgtccgg 50
 gcgagagcct tgggatgcac ccggccagag cccatgctgc tgctgctnaa 100
 cgnttgcccc tccttggggg gcccacttg ggcaggggaag atgtatggcc 150
 ctggaggagg caagtatttc agcaccantg aagattacga cccatgaaat 200
 cacagggctg cgggtgtctg taggtcttct cctggtgaaa agtgtccagg 250
 tgaaacttgg agactccttg ggacgtgaaa ctgggagcct taggtgggaa 300

taccaggaa gtcaccctgc agccaggcga atacatcaca aaagtctttg 350
tcgccttcca agctttcctc cgggggatgg tcatgtacac cagcaaggac 400
cgctatttct attttgggaa gcttgatggc cagatctcct ctgcctaccc 450
cagccaagag gggcagggtgc tgggtgggcat ctatggccag tatcaactcc 500
ttggcatcaa gagcattggc tttgaatgga attatccact agaggagccg 550
accactgagc caccagttaa tctcacatac tcagcaaact caccctgtggg 600
tcgctagggt ggggtatggg gccatttacc gagcggccgc cgtaattggg 650
ccgctggggg atctctcgag aaaagagagg cccaatatga cccacatact 700
caatatggac gaactgatat tgtccacctg ttatgagtg 739

<210> 216
<211> 474
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 92, 120, 205, 214, 238, 348, 353, 358
<223> unknown base

<400> 216
tttccaaaag ttgtgaagga cacctccatc cattcaaggc agttgtcaaa 50
gcagaaattt tcagtgaag tcttgatgtt gccccgtccc cnattcccta 100
catcagaagg atccctcatn tggactccag cgttggcttc ttgatgctgc 150
gcgttcccc attccctaca tcagaatgca tcccgcaccc agactccagc 200
gttgntgctc tacntgcacg ctgttgccaa gtccaagnta ccatactcct 250
gcctgagcta tgacaacagc ctctcactg atctccccctt tcttcccttt 300
gcctcctcca gctcattttt cacagtgtag aatgacattt tgtttgntg 350
ttntgtntg tttgagatgg agtctcgctc tgttgccag ggtggagtgc 400
agcgggtgca tctcgggtca ctgcaacctc cacctcccgg gttcaagcgg 450
attctcgtgc ctacgcctcc tgag 474

<210> 217
<211> 509
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22
<223> unknown base

<400> 217
cacagttccc caccatcact cntcccatc ctccaactt tatttttagc 50
ttgccattgg gagggggcag gatgggaggg aaagtgaaga aaacagaaaa 100

ggagagggac agaggccaga ggacttctca tactggacag aaaccgatca 150
 ggcatggaac tccccttcgt cactcacctg ttcttgcccc tgggtgttcct 200
 gacaggtctc tgctccccct ttaacctgga tgaacatcac ccacgcctat 250
 tcccagggcc accagaagct gaatttggat acagtgtctt acaacatggt 300
 ggggggtggac agcgatggat gctgggtgggc gccccctggg atgggccttc 350
 aggcgaccgg agggggggacg tttatcgctg ccctgtaggg ggggcccaca 400
 atgccccatg tgccaagggc cacttaggtg actaccaact gggaaattca 450
 tctcatcctg ctgtgaatat gcacctgggg atgtctctgt tagagacaga 500
 tggatgatgg 509

<210> 218
 <211> 291
 <212> DNA
 <213> Homo Sapien

<400> 218
 ctcttaggct ttgaagcatt tttgtctgtg ctccctgac ttcatgtcac 50
 caccatgaag ttcttagcag tcctgggtact cttgggagtt tccatctttc 100
 tgggtctctgc ccagaatccg acaacagctg ctccagctga cacgtatcca 150
 gctactgggc ctgctgatga tgaagcccct gatgctgaaa ccactgctgc 200
 tgcaaccact gcgaccactg ctgctcctac cactgcaacc accgctgctt 250
 caaccactgc gaccactgct gctcctacca ctgcaaccac c 291

<210> 219
 <211> 266
 <212> DNA
 <213> Homo Sapien

<400> 219
 cgggctttga agcatttttg tctgtgctcc ctgatcttca ggtaaccccc 50
 atgaagttct tagcagtcct ggtactcttg ggagtttcca tctttctggt 100
 ctctgcccag aatccgacaa cagctgctcc agctgacacg tatccagcta 150
 ctggctcctgc tgatgatgaa gcccctgatg ctgaaaccac tgcaactgca 200
 accactgcga ccactgctgc tcctaccact gcaaccaccg ctgcttctac 250
 cactgctcgt aaagac 266

<210> 220
 <211> 264
 <212> DNA
 <213> Homo Sapien

<400> 220
 ggctttgaag catttttgc tgtgtccct gatcttcagg tcacccccat 50
 gaagttctta gcagtcctgg tactcttggg agtttccatc tttctggtct 100

ctgcccagaa tccgacaaca gctgctccag ctgacacgta tccagctact 150
ggctctgctg atgatgaagc ccctgatgct gaaaccactg caactgcaac 200
cactgcgacc actgctgctc ctaccactgc aaccaccgct gcttctacca 250
ctgctcgtaa agac 264

```
<210> 221
<211> 610
<212> DNA
<213> Homo Sapien
```

```
<220>
<221> unsure
<222> 64, 185, 201
<223> unknown base
```

```
<400> 221
  tgattttttac acaccccagg atttttttgga attgaggaga cggttcaaga 50
  gtttagcctt ggantggccc agtatccagg tcgagggttct gcagaagggt 100
  gtgacttttag taacatTTTT cttcttttcgg ggacgtggcc tgcattggcta 150
  tctgctcctg ccagtgtcca gcagccatgg ccttntgctt cctggagacc 200
  ntgtgggtggg aattcacagc ttcctatgac actacctgca ttggcctagc 250
  ctccaggcca tacgcttttc ttgagtttga cagcatcatt cagaaagtga 300
  agtggcattt taactatgta agttcctctc agatggagtg cagcttggaa 350
  aaaattcagg aggagctcaa gttgcagcct ccagcgggtc tctctctgga 400
  ggacacagat gtggcaaatt gggatgatgaa tggtcacaca ccgatgcact 450
  tggagcctgc tcctaatttc cgaatggaac cagtgcagc cctgggtatc 500
  ctctccctca ttctcaacat catgtgtgct gccctgaatc tcattcgagg 550
  agttcacctt gcagaacatt ctttacaggt tgcccatgag gaaattggaa 600
  acattctggc 610
```

```
<210> 222
<211> 612
<212> DNA
<213> Homo Sapien
```

```
<220>
<221> unsure
<222> 17, 43, 70, 89, 92, 100, 194, 219, 229, 295, 327-328, 330, 334,
      338, 344
<223> unknown base
```

```
<400> 222
cgaaggcttg ggcggangcg tgggcgcggg agtgcattggc agnttttggtt 50
cccagacttg cccggaccnn tttgcttcac ctccagctnt gntgctcctn 100
tactcttggg tcgagatccc tttggagcca cagcgaggaa ccctgtggtc 150
```


<222> 28, 102, 105, 107, 157, 167
<223> unknown base

<400> 224
taagttcctg cattaaaacc atgctgtngc aattgagagc ttagctccac 50
ggttctcaaa gggaggtccc tggccaacag catcagcatc accttgagga 100
cntantngca atgcaaatta tcagggccct tcttcagact cactgaatca 150
gaaacnttg gataggncca gcacgctgtg ctttaacaag ctctaggtga 200
tgcccaattc atactcaagt gtgaggctga ctggcttatt tgaagggaga 250
gaaaggaaca ggcacatggc gacatatcag catttacaca aggcgtgctg 300
ggtaaccata ggaacacctt tattacgggt aaataggaaa caggcatcaa 350
tgcagagggc ccccaggaga atcaggaagg tcgcgactgt cactgtctga 400
gggcactgtt gtgaaacgat ggccgaagg gacaaccaca gcaaagtttc 450
aaggaagttc actgaaacgt ggaaaaacc actcaatgtc ctgctctcat 500
ttatattgag tggcttaagt atttattttc ttgggttttt agaggaaggg 550
agggttggag gattctcaaa gcattcaaaa ggacaccata tgctggcagg 600
aaatattcaa gcttttaatg gaataatgca atggaggtg 639

<210> 225
<211> 704
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 45, 89, 96, 105, 115, 121, 141, 147, 178, 194, 205, 209, 233,
236, 245, 256, 284
<223> unknown base

<400> 225
tacccttggc cacttaagtt ggagaaattt gaaatcaaga agttntcatt 50
ttgaagaagc acgagttcgg aagactttta catgggttnt tccttnttgc 100
agcngtata ctttntgtca nccagaaact gtattttcat ntcagcntag 150
tgacgatgaa tcaagtagtg atgaaccngt aatcagccca gtentgcctt 200
tagangacnc cgtgtagga agaagaccgt ttntgnttca gaatntgaag 250
accgntagt tgctgaacaa gaaactgaac cttntaagga gttgagtaaa 300
cgtcagttca gtagtggctt caataagtgt gttatacttg ctttgggtgat 350
tgcaatcagc atgggatttg gccatttcta tggcacaatt cagattcaga 400
agcgtcaaca gttagtcaga aagatacatg aagatgaatt gaatgatatg 450
aaggattatc tttcccagtg tcaacaggaa caagaatctt ttatagatta 500
taagtcattg aaagaaaatc ttgcaagggt ttggacactt actgaagcag 550

```
agaagatgtc ctttgaaact cagaaaacga accttgctac agaaaatcag 600
tatttaagag tatccctgga aaaggaagaa aaagccttat cctcattaca 650
ggaagagtta aacaaactaa gagaacagat tagaatattg gaagataaag 700
ggac 704
```

```
<210> 226
<211> 627
<212> DNA
<213> Homo Sapien
```

```
<400> 226
ggcccccaac  gggcccccccg  ggtcggtttn  ccgcgttggc  catgantgcg  50
nccgtgttct  ttcggntgcg  ccttcatttg  ccttcgggcn  tgcgntcgcc  100
ctttatgtct  tcaccatcgc  catcgagccg  ttgcgtatca  tcttcctcat  150
cgccggagct  ttcttctggg  tgggtgtctn  actgatttcg  tcccttgttt  200
ggttcatggc  aagagtcatt  attgacaaca  aagatggacc  aacacagaaa  250
tatctgctga  tctttggagc  gtttgtctct  gtctatatcc  aagaaatgtt  300
ccgatttgca  tattataaac  tcttaaaaaa  agccagtgaa  ggtttgaaga  350
gtataaacc  aggtgagaca  gcaccctcta  tgcgactgct  ggcctatgtt  400
tctggcttgg  gctttggaat  catgagtgga  gtattttcct  ttgtgaatac  450
cctatctgac  tccttggggc  caggcacagt  gggcattcat  ggagattctc  500
ctcaattctt  cctttattca  gctttcatga  cgctgggcat  tatcttgctg  550
catgtattct  ggggcattgt  attttttgat  ggctgtgaga  agaaaaagtg  600
gggcatactc  cttatcggtc  tcctgac  627
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```
<400> 227
gaccaagggg  ccgggtagnt  tacctatatt  tggttnatgg  tntaattata  50
gaccaggaaa  gagcntntta  tgtctccatc  ttgatttccg  tggcagccaa  100
ntgcctntat  gnatatctcc  acatcccagc  tttttcataa  taaatantac  150
atgctggttg  ctcgtggatt  gttgggaatt  ggagcaggaa  atgtagcagt  200
```

```
tgttagatca tatactgctg gtgntacttc ccttcaggaa agaacaagtt 250
ccatggcaaa cataagcatg tgtcaagcat taggttttat tntaggtcca 300
gtttttcaga cttgttttac attccttgga gaaaaagggtg tgacatggga 350
tgtgattaaa ctgcagataa acatgtatac aacaccagtt ttacttagcg 400
ccttcctggg aattttaaat attattctga tccttgccat actaagagaa 450
catcgtgtgg atgactcagg aagacagtgt aaaagtatta attttgaaga 500
agcaagtaca gatgaagctc aggttcccca aggaaatatt gaccagggttg 550
ctgttggtggc catcaatggt ctgttttttg tgactctatt tatctttgcc 600
ctttttgaaa ccatcattac tccattaaca atggatatgt atgcctg 647
```

<210> 228

<212> DNA

 $\langle 220 \rangle$

```
<222> 72, 75, 81, 92, 116, 135, 153, 157, 170, 248, 267, 271, 332, 498,
570
```

<400> 228

qqattgcatg tgaagtcttt tntantgaat ntatatattcc anttgaagtg 100

gtntaqntaa tttaattaan ttagtgacac caccaagtgt tttgatataa 200

ctaaatttqt ggtaataaga ttgtctgcac ctgtattcat tgtggaantt 250

cctctttcat tggaaanttt nttactcaag aatgacggca gtattgtttt 300

cttatatgtg caatgaagtg gaatggttaa cngtatgcc ttaaatttaa 350

aatgggttcc ttgttctgat gttgtttcct gaaatgattt ttcttcctaa 400

ctgtggtttt cgggtatqca agcctaaatc tttgtacact ttgtctcaca 450

gaatagttct qagqctccat qacagggttt tgtcattggt gatggtantg 500

ttgcttcggtt ttataaaaaa gccaaaattt ttttccaatc caaacgttca 550

cctgtttcct ttctcaagn tataccagtg taataccagt taccctgtgg 600

atccatttaa tatgttatcc ccactaatta attttcgtat attatttcca 650

atatttggaa agctctttat agccatttgg tatttcctat taccac 697

<210> 229

<212> DNA

<220>

<221> unsure
<222> 90, 145, 189, 249
<223> unknown base

<400> 229
ttttcaattt gccagtttgt ggatgatgaa ttgacttaaa tcgaactaaa 50
ttggaatgtg aatctgcatg tacgaagcat attcccaatn tgatgagcaa 100
tatgcttgcc atcttggttg ccagaatcag ttccattcgc tgaantggac 150
aagaacaact tatgtccctg atgccaaaaa tgcacctant ctttcctcta 200
actcttggtg aggtcattct ggagtgcacat gatggactcc gcacagagnt 250
tcataacctc ttcattggact ttttatcttc aagccgatga cggaaaaata 300
gttatattcc agtttaagcc agaaatccca gtacgcacca catttgagac 350
aggagcctac aaatttgaga gaatcatctc taagcaaaat gtcctatctg 400
caaatgagaa attcacaagc gcacaggaat tttcttgaag atggagaaag 450
tgatggcttt ttaagatgcc tctctcttaa ctctgggtgg attttaacta 500
caactcttgt cctctcgggtg atggtattgc tttggatttg ttgtgcaact 550
gttgctacag ctgtggagca gtatgttccc tctgagaagc tgagtatcta 600
tggtgacttg gagtttatga a 621

<210> 230
<211> 864
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 654, 711, 748, 827
<223> unknown base

<400> 230
tcctgctgat gcacatctgg gtttggcaaa aggagggtgc ttcgagccgc 50
cctttctagc ttcttgcccg gctctagaac aattcaggct tcgctgcgac 100
tagacctcag ctccaacata tgcattctga agaaagatgg ctgagatgac 150
agaatgcttt attttggaag gaaacaatgt tctaggtcaa actgagtcta 200
ccaaatgcag actttcaciaa tggttctaga agaaatctgg acaagtcttt 250
tcatgtgggt tttctacgca ttgattccat gtttgctcac agatgaagtg 300
gccattctgc ctgcccctca gaacctctct gtactctcaa ccaacatgaa 350
gcatctcttg atgtggagcc cagtgatcgc gcctggagaa acagtgtact 400
attctgtcga ataccagggg gagtacgaga gcctgtacac gagccacatc 450
tggtatccca gcagctgggtg ctactcact gaaggtcctg agtgtgatgt 500
cactgatgac atcacggcca ctgtgccata caacctttgt gtcagggcca 550

cattgggctc acagacctca gcctggagca tcctgaagca tccctttaat 600
 agaaactcaa ccataccttac ccgacctggg atggagatca ccaaagatgg 650
 cttncacctg gttattgagc tggaggacct ggggccccag tttgagttcc 700
 ttgtggccta ntggaggagg ggcgaacccc ttgcggcgca aggggttngc 750
 gaaccccttg cggccgctgg ggtatctctc gagaaaagag aggccaata 800
 tgaccacat actcaatatg gacgaantgc tattgtccac ctgtttgagt 850
 ggcgctgggt tgat 864

<210> 231
 <211> 595
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 59, 62, 82, 121, 425, 446, 523, 563
 <223> unknown base

<400> 231
 tagagcgaca gtggaagggg catgaccctc aatgaggacg gccttgtttc 50
 ctgggaggng tntaaaaatt ccaacctacg gntacgtttt agatgatcca 100
 gatcctgatg atggattcaa ntataaacag atgatggta gagatgagcg 150
 gaggtttaa atggcagaca aggatggaga cctcattgcc accaaggagg 200
 agttcacagc tttcctgcac cctgaggagt atgactacat gaaagatata 250
 gtagtacagg aaacaatgga agatatagat aagaatgctg atggtttcat 300
 tgatctagaa gagtatatg gtgacatgta cagccatgat gggaatactg 350
 atgagcccag aatgggtaaa gacagagcga gagcagtttg ttgagtttcg 400
 ggataagaac cgtgatggga agatngacaa ggaagagacc aaagantgga 450
 tccttcctc agactatgat catgcagagg cagaagccag gcacctggtc 500
 tatgaatcag accaaaacaa ggntggcaag cttaccaagg aggagatcgt 550
 tgacaagtat ganttatttg ttggcagcca ggccacagat tttgg 595

<210> 232
 <211> 460
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 90, 99, 147, 222, 234, 271, 412
 <223> unknown base

<400> 232
 accgccttca gttactccag gtagccccgt agcatttaaa gaacaaaatc 50
 tgtccagtca aagtgatatt cttcaagagc cgttacaggn tacttcttnt 100

ccagttactt gtagctcaaa tgcttgcttg gttactaccg atcaggnttc 150
 ttctggatct gaaacagagt ttatgacctc agagactcct gaggcagcaa 200
 ttccccagg caagcaaccg tnttcactag cttntccaaa tcctcccatg 250
 gcaaagggct ctgaacaggg nttccagtca cctccagcaa gtagtagttc 300
 agtaaccatt aacacagcac cttttcaagc catgcagaca gtattttaacg 350
 ttaatgcacc tctgcctcca cgaaaagaac aagaaataaa agaatcccct 400
 tattcacctg gntacaatca aagttttacc acagcaagta cacaacacc 450
 accccagtgc 460

<210> 233
 <211> 660
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 7, 13, 31, 107, 127, 129, 131, 159
 <223> unknown base

<400> 233
 cgggaanccc ganccggttg ccccggggaa nccgtgcggc cccttccgtc 50
 ccgttcccat ccttgccggg gttccagcac ctttgaagtt tttgcagcgc 100
 ccgaaangga ggcgaggaag gagggantnt ntgagaggag ggagcaaaaa 150
 gcttcaccnt aaaacattta tttcaaggag aaaagaaaaa gggggggcgc 200
 aaaaatggct ggggcaatta tagaaaacat gagcaccaag aagctgtgca 250
 ttgttggttg gattctgctc gtgttccaaa tcatcgcctt tctggtggga 300
 ggcttgattg ctccagggcc cacaacggca gtgtcctaca tgtcggtgaa 350
 atgtgtggat gcccgtgaaga accatcacia gacaaaatgg ttcgtgcctt 400
 ggggacccaa tcattgtgac aagatccgag acattgaaga ggcaattcca 450
 agggaaattg aagccaatga catcgtgttt tctgttcaca tccccctccc 500
 ccacatggag atgagtcctt ggttccaatt catgctgttt atcctgcagc 550
 tggacattgc cttcaagcta aacaacccaa tcagagaaaa tgcagaagtc 600
 tccatggacg tttccctggc ttaccgtgat gacgcgtttg ctgagtggac 650
 tgaaatggcc 660

<210> 234
 <211> 564
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 71
 <223> unknown base

<400> 234
 tttgtttccc gggaccttgg tggcagttct gcagccacag aggcagtggc 50
 gatttttgaca gccacatacc ntgtgggtca catgccatac ggctgggtga 100
 cggaaatccg tgctgtgtat cctgcttttcg acaagaataa ccccagcaac 150
 aaactgggtga gcacgagcaa cacagtcacg gcagcccaca tcaagaagtt 200
 caccttcgtc tgcattggctc tgtcactcac gctctgtttc gtgatgtttt 250
 ggacacccaa cgtgtctgag aaaatcttga tagacatcat cggagtggac 300
 tttgcctttg cagaactctg tgttgttcct ttgcggatct tctccttctt 350
 cccagttcca gtcacagtga gggcgcattc caccgggtgg ctgatgacac 400
 tgaagaaaac cttcgtcctt gccccagct ctgtgctgcg gatcatcgct 450
 ctcatcgcca gcctcgtggg cctaccctac ctgggggtgc acgggtgcgac 500
 cctgggctgt ggctccctcc tggcgggctt tgtgggagaa tccaccatgg 550
 tcgcatcgct tgcg 564

<210> 235
 <211> 461
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 34, 196-197, 307
 <223> unknown base

<400> 235
 cggacgcgtg ggtttaaaaa ttactcataa tcgntccatt gataatacta 50
 aatttagttt cccctgtctt tagtgtctaa ttgtcagcca gaaaattagg 100
 aatctgttgc acttgatttt taagtaactt atctaaaact atgtgccatt 150
 ttaacagtga gcattactta gttgcatttt ccaaatttat tatttnntca 200
 tttcttaact gtagactatt atttcaaaat tttaaattta gtttttgatg 250
 ttttagagaa atgaagccac agtggcttag cacatctttg tgtttctatt 300
 atttatntat ttttttgaga cagagtcttg ctgtgttgct caggctggag 350
 tgcagtgggt cgatctcagc tcaactgcaac ctctgcctcc cgggttcaag 400
 tgattttcct gcctcagcct cccaagtagc tgggattaca gacacctgcc 450
 accatgtccg g 461

<210> 236
 <211> 307
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure

<222> 93
<223> unknown base

<400> 236
gaggtcatct ccatttcatt ccggataaat gagtatgcaa ggaacgtttt 50
tataggcatt ttggagatca aagatgggta gaaaagatgc tgntactata 100
aaacttcctg ttgatcagta cagaaaacaa attggtaaac aggattataa 150
aaaaactaaa cctattttac gagctaccaa attaaaagca gaagcaaaga 200
aacagcaat aggcataaag gaagttggcc ttgtacttgc agctatattg 250
gcactactac tggctttcta tgctttcttt tatctcagac tcaccacgga 300
aatgttg 307

<210> 237
<211> 468
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 53, 67
<223> unknown base

<400> 237
cgggggaacc cgagccggtt gcgccggggg aatccgtgcg ggcgccttcc 50
gtncgggtcc catcctngcc gcgctccagc acctttgaag ttttgcagcg 100
cccagaaagg aggcgaggaa ggagggagtg tgtgagagga gggagcaaaa 150
agctcaccct aaaacattta tttcaaggag aaaagaaaaa gggggggcgc 200
aaaaatggct ggggcaatta tagaaaacat gagcaccaag aagctgtgca 250
ttgttggtgg gattctgctc gtgttccaaa tcatcgctt tctggtggga 300
ggcttgattg ctccagggcc cacaacggca gtgtcctaca tgtcggtgaa 350
atgtgtggat gcccgtaaga accatcacia gacaaaatgg ttcgtgcctt 400
ggggacccaa tcattgtgac aagatccgag acattgaaga ggcaattcca 450
agggaaattg aagccata 468

<210> 238
<211> 490
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 110, 128, 151, 215, 229, 268, 274, 282, 343, 363, 383, 489
<223> unknown base

<400> 238
tcataatga ccgtgtggnt gtccacagcc ccgacagagc ccctgaccc 50
aattgtacca ggtgcggtgc ctgttccagt caccattgtt cgccaaggca 100

ggggacacgn tttcagggac atgtttgntt attgccaaca aaagacagag 150
 ntacgacatc agtattgtgg cccaggtgga ccagaccggc tccaagtcca 200
 gtaacctcct ggatntgaaa aacccttnt ttagatacac gggcacaacg 250
 ccctcacccc caccggntc ccantacaca tntccctcgg aaaacatgtg 300
 gaacacgggc agcacctaca acctcagcag cgggatggcc gtngcagggg 350
 tgccgaccgc cnttgacttg agcagtgtta ttnccagtgg ctccagcgtg 400
 ggccacaaca acctgattcc tttaggggtcc tccggcgccc agggcagtgg 450
 tgggtggcagc acgagtggcc actatgcagt caacagccng 490

<210> 239
 <211> 583
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 37, 53, 71, 79, 89, 100, 166, 258, 260, 302, 327, 334
 <223> unknown base

<400> 239
 ttccccta at ggggtgtttg acccccattc cgggtgntaa gtggtttttc 50
 ccnatcatcg gccaaattgg nattttcana tccacaggng tcattgggan 100
 tttggggggc cctaatttgt ttcagacagg cggggaggca gtttgccaga 150
 aggattctta agtaantgac ccagcccttt gccccaccc ctgggggtacc 200
 gagacatggg tagggattag agcaagagtt gagagtcaga ccatccagga 250
 accacatntn tggaccttca gaaggaggac aacatggcct ttggaaagcc 300
 tnccaagtac tggaagttgg accctgntca ggtntatgct agcggggcca 350
 acgcatggga cacggctgtg cacgacgcct ctgaggagta caagcaccgc 400
 atgcacaatc tctgctgtga caactgccac tcgcacgtgg cattggccct 450
 gaatctgatg cgctacaaca acagcaccaa ctggaatatg gtgacgctct 500
 gcttcttctg cctgctctac gggaagtacg tcagcgttgg ggccttcgtg 550
 aagacctggc tgcccttcat ccttctcctg ggc 583

<210> 240
 <211> 546
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 25, 57, 97, 254, 341
 <223> unknown base

<400> 240
 tttttcaggg agaattttga ggctntgttg agaatcatgc tttggaggca 50

gctcatntat tggcaactgc tggctttgtt tttcctccct ttttgcntgt 100
 gtcaagatga atacatggag gtgagcggaa gaactaataa agtgggtggca 150
 agaatagtgc aaagccacca gcagactggc cgtagcggct ccaggaggga 200
 gaaagtgaga gagcggagcc atcctaaaac tgggactgtg gataataaca 250
 cttntacaga cctaaaatcc ctgagaccag atgagctacc gcaccccgag 300
 gtagatgacc tagcccagat caccacattc tggggccagt ntccacaaac 350
 cggaggacta cccccagact gcagtaagtg ttgtcatgga gactacagct 400
 ttcgaggcta ccaaggcccc cctggggccac cggggccctcc tggcattcca 450
 ggaaaccatg gaaacaatgg caacaatgga gccactggtc atgaaggagc 500
 caaaggtgag aagggcgaca aaggtgacct ggggcctcga ggggag 546

<210> 241
 <211> 546
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 126
 <223> unknown base

<400> 241
 ggtgatctga aagatagcca aggatttttc agaacacaag aaaaaagagg 50
 gatgaaaagt gaaaaagaaa ttagaagata tggataataa atcccaggag 100
 aggtaatatg catccaatca aacatntaat agaaaatttc ctacagggaa 150
 taaaagaaaa agattcttaa gatcgaaagg gccagttgat agtgggtacc 200
 aggaggaagg agtgggttttt caccagata tatcctgggtg aaattttctga 250
 attctgcagc ttacaagaaa attctgaact cttccaggga agaacaagct 300
 atgtacaaag gaataagaat cttattcatt acactaaaga caatgctttt 350
 gatcattgtc tatagctatg tgtattttga acctagaatt ccgtactcag 400
 cccaactgtc atttatgtat gagaacaaaa ttaacttttt ggaatttgca 450
 gactcatatt cttttcgaaa aaaatactgt gggatgtacc aaaacaaaaa 500
 aataagtcaa gaagcaacaa ctcaaggcat aagaaacagt agcgag 546

<210> 242
 <211> 549
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 100, 121
 <223> unknown base

<400> 242

ttccagagag cccttgagaa gaccaagggc aaagtgagca tgagggttctc 50
ctctctctgc ccacctcca cgtccactgc ctctggccgc agaccagcn 100
tcgtgatcga tgggagaagc ntggcctacg ctctcgagaa aaacctggag 150
gacaaattcc tcttccttgc caagcagtgc cgctccgtcc tctgctgtcg 200
gtcgacgcct ctgcagaaga gcatgggtgt gaagctgggtg cggagcaagc 250
tcaaggccat gacctggcc ataggtgatg gagccaatga tgtcagcatg 300
atccaggtgg cagatgtggg tgtgggaatc tccggccagg agggatatgca 350
ggcagtgatg gccagcgact ttgcagtgcc gaaattccga tacctggaga 400
ggctcttgat tcttcacggg cattgggtgct actcccgact tgccaacatg 450
gtgctgtact tcttctacaa aaacacaatg ttcgtgggccc tcctgttttg 500
gttccagttt ttctgtgggt tctctgcac taccatgatt gaccagtgg 549

<210> 243
<211> 549
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 97, 120
<223> unknown base

<400> 243
ttcccagcga ggatcctgtc cctggaggct gtaatttgga gttcgattta 50
gatattgatc ccaacattta cttggagtat aatttctttg aaacgantat 100
caagtttgcc ccagcaaach taggctatgc gagaggcgta gatccccac 150
catgtgacgc tgggacagac caggactcca ggtggagggt gcagtatgat 200
gtctatcagt attttctgcc tgagaatgac ctactgagg agatgttgct 250
gaagcatctg cagaggatgg tcagtgtgcc ccaggatgaag gccagtgtc 300
tcaagggtgt taccctaaca gctaatagata agacaagtgt ttccttctcc 350
tccctcccg gacaagggtgt catatacaat gtcattgttt gggaccggt 400
tctaaatata tctgctgcct acattcctgc tcacacatac gcttgcagct 450
ttgaggcagg agagggtagt tgtgcttccc taggaagagt gtcttccaaa 500
gtgttcttca ctctttttgc cctgcttggt ttcttcattt gtttctttg 549

<210> 244
<211> 448
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22
<223> unknown base

<400> 244
attcttaagt cagttgatcc anttattcat tcatcaaata ttgattgaga 50
acctactgtg tgccaagtgt tatttttaggc cctgggacca agtaataaat 100
aagaggacac aggccatgca ctcacggagc ttctgttttc cttggcagag 150
cagacatggg gcaggggtgt ctgaggggtct cctcaggatg gtgtgggtctg 200
tgctgggtgt ggttgtcttg acaggttggg cctcatgggc agatgggtacc 250
tgtcaggcag ggagtgtggg ggcaaccagg atgaacagtt ataagaccat 300
ttctaatact tgtatTTTTT tttctcctag ggaaaaattg gaagaaaaag 350
ccaaattata tgaaaaaatg actaaaggag actttataga tgaagaagta 400
gaggatatgt accttgtgga tttcacacag aagatcatag acaagcgc 448

<210> 245
<211> 567
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 3, 35, 49, 81, 106, 146, 152, 227, 239, 293, 308, 358, 427, 448,
476, 480, 566-567
<223> unknown base

<400> 245
ggntaccoga aggccaagct ttttaacaat tttgntttgt aatcaatgng 50
taattcatga tgaattatTT tgactaatgg ntagccgaag gccaagcttt 100
taattntaat aggtaatgtt cttcttttgt cttattgaaa caatgngaatt 150
antctgtgca tttcaaattgc actccgatta tgctgtgggt ttattcacat 200
aagcacaata tgtgtttttat ttataanttc ataacaaant tataatataa 250
taattttacct tagcagacat gcaaaagctt attcttgtgt ganttacttt 300
ctttaagnta ataataataa aataaatatg tatcttaaaa atctataata 350
aaacattnga aattaaagat atgtgctttt tattttgcag atgagttcat 400
ttgcttctgt agatgtgttt tcagagntag gtacagagga atgtttgnta 450
ccttttagcgg tgaaaaaaga aagagngtcn agaattttgt tggattgtgt 500
ttgtgtgtgc atatatttga tatcatcatc atacattgta atctttggac 550
ttgtaatcat agcctnn 567

<210> 246
<211> 539
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 33, 100, 115, 153, 158, 185, 194, 263, 273, 286, 325, 371, 400,

404, 410, 454, 458, 485, 508, 539
<223> unknown base

<400> 246
ttcccactgt aatgccaaat gatccatagc ctnttcagat tccttataaa 50
atttaaacca agagaggaga ggaaagggtta aattttctgt aatgaccttn 100
tgcttaatag tcttntagaa aaaggaaagg tgatgagcaa ataaaggaac 150
ttntagantt tacatgacta ggctgataat cttanttttt aggnnttctat 200
acagttaatt ctataaattc tctttctccc tctcttctcc aatcaagcac 250
ttggagttag atntaggtcc ttntatctcg tccctntaca gatgtatttt 300
ccacttgcat aattcatgcc aacantgggt ttcttaggtt tctccatttt 350
cacctctagt gatggcccta ntcatatctt ctctaatttg gtcctgatan 400
ttgnttcgtn tcacgttttc ccatttccct gtggctcact gttttacaat 450
cacngctntg gaatcatgat accactttta gctcnttgca tcttccttca 500
gtgtattntt gtttttcaag aggaagtaga ttttaaant 539

<210> 247
<211> 508
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 9, 38, 45, 78, 469
<223> unknown base

<400> 247
cggagcctnt gcaggaggag cttttcgggtc ctggccgnga tttntgcag 50
gccccacgag tgggaggtgc tgagccgntc aggttctccc ttttgccact 100
ggaatcagga gaatgttgca gaggaattgc attcctggta acaagataac 150
ccagcaagac tcagactgct aaccaagga tcaactatta aggccagaca 200
gatgggaccg tgttcagaat tcacacaaaa gctgaaggat ttatggatgc 250
ggatatacct ctggaattgg tgttccattt gccagtcaat ttccttcat 300
gtctacctgg tatctcgatt aactctgaac agttgaccag ggcccagtgt 350
gtgactgtga aagagaattt acttgagcaa gcagagagcc ttttgtcgga 400
gcctatgggt catgagctgg ttctctggat tcagcagaat ctcaggcata 450
tcctcagcca accagaaant ggcagtggca gtgaaaagtg tactttttca 500
acaagcac 508

<210> 248
<211> 540
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 85, 100, 104, 133, 156, 395, 468
<223> unknown base

<400> 248
tcgggttttc ggagcagttt tcgaatggac agctccgtgg aggaggatga 50
acttatgtta aatgaaggta agagttttgg gcatnttatg ccccctttgn 100
tctntgacag ctctgtgtct tgtctttggc cnttatccac ctccctccaa 150
gacaantgat gataagacca gcggtcttaa gaaatgtgaa accaagtcaa 200
ttgtgtcatc gtccatcagt gctttttacat tgccctgtgat caaaattaat 250
aactgtgtta ttgatgagcc cagtatagat aacatcactg aagatgctga 300
caacctcaaa agtaggtcaa ggaatttgtc aatggattcc cttgtgggtc 350
ctttgcccaa caccagtga tccctccagc ccgtcagcac agtgntacca 400
aggaataatt ccattgggga gtcgttgctg agtcagtaca agtcatttat 450
ggctctcgga cctggggntg gacagctctt gtctcctggg gctgccagaa 500
gacagtttgg gtccaatata tccctgcatt tgctctcgtc 540

<210> 249
<211> 618
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 12, 66, 90, 187, 263, 311, 508, 511, 547, 555, 610
<223> unknown base

<400> 249
tccttacaag gnccgtgtaa catgacactg ttaatgattg catttggctt 50
gctgtggggg catttnttgc ggatcaaacc cacgcagagn gttttcattt 100
tccaagtgtc tgtccttgtc aagcacaccc cttgtgtcca ggttcctcat 150
gggcagtgct cggggtgaca aagaaggcga cattgantac agcaccgtgc 200
tcctcggcat gctggtgacg caggacgtgc agctcgggct cttcatggcc 250
gtcatgccga cntcataca ggcgggcgcc agtgcattct ctagcattgt 300
cgtggaagtt ntccgaatcc tggttttgat tggtcagatt cttttttcac 350
tagcggcggg ttttctttta tgtcttgtaa taaagaagta tctcattgga 400
ccctattatc ggaagctgca catggaaagc aaggggaaca aagaaatcct 450
gatcttggga atatctgcct ttatcttctt aatgttaacg gtcacggagc 500
tgctggangt ntccatggag ctgggctgtt tcctggctgg agcgtngtc 550
tcctntcagg gcccgtggg caccgaggag atcgccacct ccatcgaacc 600
catccgcgan ttcttggc 618

<210> 250
<211> 626
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 33, 35, 67, 70, 91, 114, 133, 143, 177, 267, 394, 421, 447, 484,
536, 540, 561, 569
<223> unknown base

<400> 250
caacttacct gaaatgcgct attgaatgca cgngnggaaa atccttgggt 50
tccaggatga cacctantan tgcagtttga ttggcagaat ngtcgatacg 100
atggctggca aatntcctgg tccctttccc aantgtgact ggngattcaa 150
tgagtttccc aaccagttg cccatgntct ccatgttact tgtgtggagc 200
tcatggcctt ggcagtttca ggcaaagaag ttgggaatgc ccttctaaat 250
gttgctcctaa aaagtcngcc tttagtcca agagagaaca ttgcagcatg 300
gatgaatgca attggtttga tcatcactgc cctaccagag ccatattgga 350
ttgttcttca tgatcgaatt gtgagtgtca tcagcagccc cagnttgacg 400
tctgaaacag agtgggttgg ntatccattc cgcctctttg atttcantgc 450
ctgtcatcag tctactctg agatgagttg tagntatacg ttagctcttg 500
cacatgctgt gtggcaccat tttagcatcg gacaantttt tctcattcca 550
aagtttctta ntgaagtant tcttcctata gtgaagaccg aattccagtt 600
gctttatgta taccatcttg ttggac 626

<210> 251
<211> 602
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 34, 80, 94, 300, 388
<223> unknown base

<400> 251
gaagggcatt ttcaggagc agaatgacaa gacntattgt caaccttgct 50
tcaataagct cttcccactg taatgccaan tgatccatag cctnttcaga 100
ttcccttata aaatttaaac caagagagga gaggaagg taaattttct 150
gttactgacc ttctgcttaa tagtcttata gaaaaaggaa aggtgatgag 200
caaataaagg aactttttaga ctttacctga ctaggctgat aatcttattt 250
tttaggcttc tatacagtta attctataaa ttctctttct ccctctcttn 300
tccaatcaag cacttggagt tagatctagg tccttctatc tcgtccctct 350

acagatgtat tttccacttg cataattcat gccaacantg gttttcttag 400
 gttttctccat tttcacctct agtgatggcc ctactcatat cttctctaata 450
 ttgggtcctga tacttgtttc ttttcacgtt ttcccatttc cctgtggctc 500
 actgtcttac aatcactgct gtggaatcat gataccactt ttagctcttt 550
 gcatcttcct tcagtgtatt tttgtttttc aagaggaagt agattttaac 600
 tg 602

<210> 252
 <211> 455
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 48, 251, 266, 352, 391
 <223> unknown base

<400> 252
 atttgtttgt ataataat acatatagat agaggggcca taatatantg 50
 gtagacaaag aatgcaggaa atgcccttat tcatacacc accaagcagg 100
 cctcacccta aagaccagc aaaagtaaca aaagcacatt tggaaacca 150
 ggaagccagt aaaagtaaat cttaaaggctg acaggggtga cattattatg 200
 tatgtgcaat ataaatcaaa ttcaaagctg ttttctctta aattttgata 250
 nttatagaga cagganttgc catggggaat ttctttcccc ttactatata 300
 attttattac tagaaggaaa agtaatagca atgataataa tgaacagact 350
 tngtgtcttt attacatttg ctttcctagt tacctttaga ntgtcacttc 400
 tgagttcttt ctctgacatg cttttctttt ctctggaagc gtcttacatt 450
 ctgac 455

<210> 253
 <211> 461
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 6, 10, 30, 115, 198, 210, 229, 289, 291, 325, 333, 338, 377, 391,
 401
 <223> unknown base

<400> 253
 aatttntatn tacatttggtg ataatatagn tagtgcgtaa gaatatttcc 50
 ccaagggtcag ttaagcaaga ttttcttatg atcatcattg ccatgaactt 100
 tcaaacatag cgatnttggtg aaaacagtgc ctgttaattt acaatgttta 150
 ccttgaacag ttgtcaagtg tgatttttat aaggagtgg tatgtttnta 200
 agcagttatn tacttgatct ttttaatant ggggttaagg gaaacctgct 250

tacagcatca cctatTTTTc attcaaattgg cacataatng ngcatgtgta 300
 acagttgtgt acctttgtgg ggtnttttg ttntttgntt ttctttttga 350
 gacagggttt cgttctgttg cccaagntgg agtacagtgg ntcgatctca 400
 ntgcaacctc cccccccag gctcaagtga ttctttcacc tcggcctcct 450
 gagtatccgg g 461

<210> 254
 <211> 497
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 19, 191, 232, 304, 340, 342, 357, 400, 403, 423, 447, 476
 <223> unknown base

<400> 254
 cagcgaatgt tggggaacnt gattcggcct ccatatgaaa ggccagagct 50
 cccacatgt ctctatgtaa ttgggctgac tggcatcagt ggctctggga 100
 agagctcaat agctcagcga ctgaagggcc tgggggctgt tgtcattgac 150
 agtgaccacc tgggtcatcg ggcctatgcc ccaggtggcc ntgcctacca 200
 gcctgtggtg gaggcctttg gaacagatat tntccataaa gatggcatca 250
 tcaacaggaa ggtcctaggg agccgggtgt ttgggaataa gaagcagctg 300
 aagntactca cggacattat gtggccaatt atcgcaaagn tngcccgaga 350
 ggagatngat cgggctgtgg ctgagggaaa gcgtgtgtgt gtgattgatn 400
 ccnctgtgtt gcttgaagcc ggntggcaga acctgggtcca tgaggnttgg 450
 actgctgtca tcccagagac tgaggntgta agacgcattg tggagag 497

<210> 255
 <211> 913
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 39
 <223> unknown base

<400> 255
 cattatcaac ccagcgccac tcaaacaggt ggacaatanc agttcgtcca 50
 tattgagtat gtgggtcata ttgggcctct cttttctcga gagatacccc 100
 agcggccgca aggggttcgg ggtgataata gatcaatgtg ttggaagtga 150
 tggggatgga gaggcgagtc cactggcga tccgcagcag gatgccccatc 200
 agagagaagc tggggctttc caggacagca tagaaaggct ccacccgggc 250
 tggatgctcc aggaccatcc cttcattctt aaaatgggca acgagaaacc 300

aggagacgtc cacctcacct tggagggaga tgaagtgggg gaggtggatt 350
tcggcgacag cctcctctgg ctctgcagtg acatcaaaca aggggccgcc 400
caccagccac tggtcatggt gctgcaggtc cagggccagg tgctgactcc 450
aggaacccaaa cgcaatcgtc actgtgacct catcccttac caggaagccg 500
aggcctgtgg ctgaccacag ataccagcca gcagtgggga accaaacgct 550
gtatctgttt gtgctcttat caatcaactc aacatccaca tttccttcag 600
gccccagaaa ctgacgattt ttataatctt cttcgatctc aaaacagact 650
ttagaagcat aagaggaaac tatttgattc tcttctgagc aaatgtctcc 700
tgaatcttgt ccctctgaag attcctgctc ttctgatata ctgggaatgt 750
cccccccaga tagttgacac tcaggaacag cacggaacaa taatggctct 800
gcctctgtct catcatcttc ttggaaaaaa tgtgagcgga cgcgtgggtc 850
gaggtcgagg gatctctaga ggatccggcc agtgtggcct atcgatagct 900
tggagttgat tgt 913

<210> 256
<211> 518
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 28, 82, 190, 205, 355, 382, 445, 484, 491, 498, 502
<223> unknown base

<400> 256
tggggatcct tggaccttgg acccaggngt ccgtggacgc ttggtagaaa 50
gatggcggag caagagcaag gaaaaatccc tntgggttcca gaaaatctcc 100
tgaaaaagag gaaggtttat caagccctca aagccaccca ggcaaagcag 150
gcacttttgg caaagaagga gcagaagaaa ggaaaagggn tcaggtttaa 200
gcgantggaa tcattcctac atgattcctg gcggcagaaa cgtgacaagg 250
tgcgctctcag acgactagaa gtgaaacctc atgccttggga attgccagat 300
aaacattcct tggcctttgt tgtacgcac gaaaggattg atggcgtgag 350
tttantgggtg cagagaacca ttgcaagact tngcctaaag aaaattttta 400
gtggtgtctt tgtaaaagtc accccccaga atctaaaaat gctgngtata 450
gtggaacctt atgtgacctg gggattttcca aatntgaagt ntgtccgnga 500
antcattttg aaacgtgg 518

<210> 257
<211> 301
<212> DNA
<213> Homo Sapien

<220>
 <221> unsure
 <222> 44, 55, 60, 81, 172, 194, 225, 268, 279
 <223> unknown base

<400> 257
 tggccagaat gtgaatgtat tgaatggagt gagagaagaa atgntgtggc 50
 atctnttgn gcaggtatat tgttttttac nggctgggtgg ataattgattg 100
 atgcagctgt ggtgtatcct aagccagaac agttgaacca tgcctttcac 150
 acatgtgggtg tattttccac antggctttc ttcattgataa atgntgtatc 200
 caatgctcag gtgagagggtg atagntatga aagcggctgt ttaggaagaa 250
 caggtgctcg agtttggntt ttcattggnt tcatgttgat gtttgggtca 300
 c 301

<210> 258
 <211> 545
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 18, 34, 61, 114, 157, 190, 193, 201, 280, 331, 389, 403, 422,
 428, 488
 <223> unknown base

<400> 258
 atcatatggg cacaaatntg gtgtccttta tggngaaaac ctcaagtaaa 50
 agtttttattc ntgcctttga aaatgggttcc aaaagtagac cctgtcccca 100
 cacaggtcaa gacnacagag aaggctttgt agaaatgtgt cacctatgta 150
 cacctgntac ttacacattt cctcttttgg aaaaatgagn tanttagaat 200
 nacaagaaaa ttaagacata ctggcctggg gccagcagat ggctttttcta 250
 tagacaaact aggttagtgt ggaagatatn ggttaaaata aactatgctg 300
 ttttatttat cttcccaacc tgattggcag ntagactttt ttaggggtctc 350
 atttaaatggc cctgtttttt tcattattat atttaatgnt agggcaggat 400
 ttngtatgca agctcttggt tntcaggntg cctgcagaag aagtcgctat 450
 aaattatctg ttgtctacat ggtacaaggc ccattganc atctgatgct 500
 tgtttttgta atttctttta tattttttatc acggggcagt gggag 545

<210> 259
 <211> 535
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 12, 27, 30, 35, 177, 190, 212, 238, 272, 303, 386, 514
 <223> unknown base

<400> 259
aatggcgggtg tntacagtgt tctgganttn gtcgntgatg cttgctctgt 50
caaggcacag cctattgtct cctttgctca gtgtgacatc attcagacgc 100
ttttacagag gtgacagccc aacagattcc caaaaggaca tgattgaaat 150
ccctttgcct ccatggcagg agagaantga tgaatccatn gaaacaaaaa 200
gagcccgct gntctatgag agcagaaaga ggggaatntt ggaaaagtgc 250
caggtagtgg agtaaaaaag gngacagttt atttttttat tctatgtgca 300
canttacagt atacatatat atttatatca caatttacga aaccaaaaag 350
ttgagtttcc aatggaaccc ttgtttttta ataatngact ttttaaagt 400
gatcaagact ataattattgt acagttatta tagggctttt ggggaagggg 450
aggatagcga gaagatgctc tggggggtttt gtttttgctt ttccttcagg 500
gttttatattt tgantgtttt gttttcttgt tggcc 535

<210> 260
<211> 519
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 11, 69, 150, 224, 229, 254, 354, 371, 396, 420, 429, 433, 475,
483, 486
<223> unknown base

<400> 260
tggatttata nttttcttct atgtagttac tataaaagtg tgctggattt 50
gaccaatcct taccocccant ataaagagaa cccgtgatga ctttagttta 100
aaaattgtgg aaattgtgga gcaatttttc tcacaatgtg agaaaaattn 150
taaaccatat tagataatgt ggaagtcata ttgtctatca tatatactgc 200
catttaaaaa taggttttta aaanttagnt aagtcttaag taatttgccg 250
ttgntaataa ttttatctcc ttgagtcggt tggtggggag agatgttata 300
ttcaataatt tttagttatt ttgtaatgca gagtgtttat tcatttcaca 350
gttntgcaat ggatgtagta ntttgggatt gccctgtcca gaaaantttc 400
aggtacacac ctttaaaggn aaatgtttnt atntcagatg aaacatgtaa 450
tttgggatgg ttcttccttt gtcanttaaa ggnagntagg aaaagtctct 500
taccactttt aaacatgag 519

<210> 261
<211> 407
<212> DNA
<213> Homo Sapien

<220>

<221> unsure
<222> 30, 40, 58, 102, 104, 148, 171, 190, 201, 226, 243, 295, 302,
332, 360, 380, 383
<223> unknown base

<400> 261
tctgtggtca acggggtcat ctttaaagtn ttggccgtgn ttgccctgtc 50
atcccacntg agaaccatgc tcaccgaccc tggggcagta cccaaaggaa 100
angntacgaa agaatacatg gagagcttgc agctgaagcc cggggaantc 150
atttacaagt gcccgaagtg ntgctgtatt aaacccgagn gggcccacca 200
ntgcagtatt tgcaaaagat gtatnnggaa aatggatcat cantgcccgt 250
gggtgaacaa ttgtgtagga gaaaagaatc aaagattttt tgtgntcttc 300
antatgtata tagctctgtc ttcagtccat gntctgatcc tttgtggatt 350
tcagttcatn tcctgtgtcc gagggcagtn gantgaatgc agtgattttt 400
cacctcc 407

<210> 262
<211> 513
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25, 35, 37, 64, 182, 211, 263, 329, 398, 410
<223> unknown base

<400> 262
cattcttgaa ccacttaatc ctctnttgac aacantngta gaacagaatc 50
ctgaagatat gggngaccta tacctagatg ttgctgaagc ttttctggat 100
gttggtgaat ataattctgc acttcccctc ctcaagtgtc ttgtttgtc 150
tgaaagatac aaccttgag tagtttggt tngtcatgca gaatgtttaa 200
aggccttagg ntatatggag cgagctgctg aaagctatgg caaggtgggt 250
gatctggccc cantccattt ggatgcaagg atttcacttt ctacccttca 300
gcagcagctg ggccagcctg agaaagctnt ggaagctctg gaaccaatgt 350
atgatccaga tacttttagca caggatgcaa atgctgcaca gcaggaantg 400
aagttattgn ttcacgttc tactctgttg ttttcacaag gcaaaatgta 450
tggttatgtg gataccttac ttactatgtt agccatgctt ttaaaggtag 500
caatgaatcg agc 513

<210> 263
<211> 650
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 37, 62, 71
<223> unknown base

<400> 263
ttgagacctg gatgaacaaa tttatatcct ttccttngag gaagaagcac 50
tccagagacg antaaatggg ntgtcttcat cgggtggaata caacataatg 100
gagttggaac agaacttgaa aatgtaaaga ctcttaagac aaaattagag 150
aggcgaaaaa aggcttcagc atgggaaaga aatttggtgt atcccgtgt 200
tatggttctc cttcttattg agacatccat ctcggtcctc ttgggtggctt 250
gtaatatctt ttgcctattg gttgatgaaa cagcaatgcc aaaaggaaca 300
agggggcctg gaataggaaa tgcctctctt tctacgtttg gttttgtggg 350
agctgcgctt gaaatcattt tgattttcta tcttatggtg tcctctgttg 400
tcggcttcta tagccttcga ttttttgga actttactcc caagaaagat 450
gacacaacta tgacaaagat cattggaaat tgtgtgtcca tcttggtttt 500
gagctctgct ctgcctgtga tgtcgagaac actgggaatc actagatttg 550
atctacttgg cgactttgga aggtttaatt ggctgggaaa tttctatatt 600
gtattatcct acaatttgct ttttgctatt gtgacaacat tgtgtctggt 650

<210> 264
<211> 441
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 79, 106, 160
<223> unknown base

<400> 264
tttttttggg agagatgggg tttcgccatg ttgcccagc tgttcttgaa 50
ctcccgggct caagtgatcc gcctccctng gcctcccaga gtgctgggat 100
tacagncacg gaccaccatg cccagcctcc acatcttttt ttgcactgtg 150
tatactcttn tgagacatgc caacttcctc caggtcaaga aaggggtata 200
tagctctcag cttcactctt tcagggtga tgtcgctttt gccttttctc 250
acttcactga cctgtctatt cctacaactg tctctttcta gagaagcctc 300
aatgatcagg attgacaggc cacactctcc cccaccattt ttttctcctc 350
cttcaagcct cttgtctggt tcaccctctt ccaccttgga ggctgaggtc 400
ttatttgact cttcacctga attgacctc ttccttccca c 441

<210> 265
<211> 201
<212> DNA
<213> Homo Sapien

<220>
 <221> unsure
 <222> 21, 39, 67
 <223> unknown base

<400> 265
 tgagatcttt ttctctaatt ntcagaagtg tttcaatgnt attaattcat 50
 tatttcctcc tctctgnttt ttttttaatt ccctgtctgg ggaatcctgt 100
 tatectgata tgagcactct acttctattc tccatagcac ttagctcctt 150
 taaaaatatt ctctttgttc tctacttctg ccttctggga gagtttctca 200
 g 201

<210> 266
 <211> 301
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 94, 128, 146, 167, 232, 257
 <223> unknown base

<400> 266
 tttttttttc aagtcttgat ttgtggctta cctcaagtta ccattttttca 50
 gtcaagtctg tttgtttgct tcttcagaaa tgtttttttac aatntcaaga 100
 aaaaatatgt cccagaaatt gagtttantg ttgcttgtat ttggantcat 150
 ttggggattg atgttantgc actatacttt tcaacaacca agacatcaaa 200
 gcagtgtaa gttacgtgag caaataactag anttaagcaa aagatatgtt 250
 aaagctntag cagaggaaaa taagaacaca gtggatgtcg agaacgggtgc 300
 t 301

<210> 267
 <211> 700
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 25, 61, 67, 132, 134, 150, 183, 194, 197, 238, 355, 424, 431,
 449, 465, 470, 478, 507, 509, 523, 527, 529, 533, 560, 578, 614,
 644
 <223> unknown base

<400> 267
 gggcccagat tgcgaaattg aggcnccaag gcggccgaga cggactgaag 50
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 atcggccaac atgggcattt gaaatccaca gnggtcattg gganttnngc 200
 ggcccctaatt ttgtttcaga caggccggga gggcagnttg gccagaagga 250

ttcttaagta actgaccag ccctttgccc ccacccttgg ggtaccgaga 300
 catgggtagg gattagaggc aagagtggag agtcagacca tccaggaacc 350
 acatnttttg accttcagaa ggaggacaac atggcctttg gaaagcctgc 400
 caagtactgg aagttggacc ctgntcaggt ntatgctagc gggcccaang 450
 catgggacac ggctntgcan gacgcctntg aggagtacaa gcaccgcatg 500
 cacaatntnt gctgtgacaa atnccantng cangtggcat tggccctgaa 550
 tctgatgcn tacaacaaca gcaccaantg gaatatggg acgctctgct 600
 tcttctgcct gctntacggg aagtacgtca gcgttggggc cttngtgaag 650
 acctggctgc ccttcacct tctcctgggc atcatcagcg gccgccgtaa 700

<210> 268
 <211> 253
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 49, 120, 181
 <223> unknown base

<400> 268
 gaatctgttt ccaaaaaaaaaa aagctttaag aagtcttttag atttacagnt 50
 aagcatattc taaatactat gtgatgaatt atttctctta tgttaaaaaa 100
 aatattaatt tggacccaan tatgactgtg ggtattctgc ccagggaaga 150
 agagctagga ggttttaaacc ttaccttgga nttgctgctt tgttttctat 200
 gccttcttga cagaaggatt tatttcactt ccgaaatatt agccataatg 250
 ccc 253

<210> 269
 <211> 659
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 20, 33, 58, 200, 240, 403
 <223> unknown base

<400> 269
 cactaggaaa aattgaaatn ctattggaaa ttnttttggc caciaaggta 50
 aataggtnta ccaggggaaa caggcatcaa gaaaattgcc ccaattttta 100
 aaacaatagg gttatttgag tagttgagtt taagaaatga aaaccacaaa 150
 ttttgggtga acttaaacac cacagtctat ttgtgtgtaa tttctcaggn 200
 tttattatag ttcataataa aatcaatttt ccatgtctan tttgtttttc 250
 ttcaacaagt gatctatctt ttacaaaagg gaatattttg ctggagaaat 300

gctcattggt tcccttctgt atgtctttga gggtaatgct aaaagcaagc 350
tcaaatttca aaatatgtta tttttaaaat attttatata ggatttggtta 400
aanttatagt tttcaaggat tgtcttttgt ttctttggat tctgattaag 450
tgatttttaa tgtattcctt taaaaatatt tattggcaca ttgtatttgt 500
acatattgat gggataaaat tgatgcttct gtacatatat atttggcata 550
atcatcaaat ttgggtattt agcttattca tcacctcatt catttatcat 600
ttctttatgg tgagaacatt caaaagtctc tcttccagct attttataat 650
atattatac 659

<210> 270
<211> 628
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 51, 106, 111, 120, 140, 378, 513
<223> unknown base

<400> 270
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ccttgnacat ntcaacattn ttgaaccact taatcctctn ttgacaacac 150
tagtagaaca gaatcctgaa gatatgggag acctatacct agatgttgct 200
gaagcttttc tggatgttgg tgaatataat tctgcacttc ccctcctcag 250
tgctcttggt tgctctgaaa gatacaacct tgcagtagtt tggtctcgct 300
atgcagaatg tttaaaggcc ttaggctata tggagcgagc tgctgaaagc 350
tatggcaagg tggttgatct ggccccantc catttggatg caaggatttc 400
actttctacc cttcagcagc agctgggcca gcctgagaaa gctctggaag 450
ctctggaacc aatgtatgat ccagatactt tagcacagga tgcaaagct 500
gcacagcagg aantgaagtt attgcttcat cgttctactc tgttgttttc 550
acaaggcaaa atgtatgggt atgtggatac cttacttact atgttagcca 600
tgctttttaa ggtagcaatg aatcgagc 628

<210> 271
<211> 585
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 71, 76, 86, 91, 162, 220, 269, 281
<223> unknown base

<400> 271

tgggtttttgc cccataaatt ccctcagctt gagcagtttg ttaaggaatg 50
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 aatgttctcc gacatgcagt agatgggaga caagaggaga ttctgtggt 150
 catcgctgca tntgaagaca ggcttggggg ggccattgca gctataaaca 200
 gcattcagca caacactcgn tccaatgtga ttttctacat tggtactctc 250
 aacaatacag cagacatnt ccggtcctgg ntcaacagtg attccctgaa 300
 aagcatcaga taaaaaattg tcaattttga ccctaaactt ttggaaggaa 350
 aagtaaagga ggatcctgac cagggggaat ccatgaaacc tttaaccttt 400
 gcaaggttct acttgccaat tctggttccc agcgcaaaga aggccatata 450
 catggatgat gatgtaattg tgcaagggtga tattcttgcc ctttacaata 500
 cagcactgaa gccaggacat gcagctgcat tttcagaaga ttgtgattca 550
 gcctctacta aagttgtcat ccgtggagca ggaaa 585

<210> 272
 <211> 616
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 23, 80, 86
 <223> unknown base

<400> 272
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 aacattggta ggcttggac atgatgctgn attacntctc tttaaaatga 100
 cacccttcct tcgcctgttg gtgctggccc ttggggagct ggagcccagc 150
 atgctgggga gtgcggtcag ctccacacag tagtccccac gtggcccact 200
 cccgggcca ggctgctttc cgtgtcttca gttctgtcca agccatcagc 250
 tccttgggac tgatgaacag agtcagaagc ccaaaggaat tgcactgtgg 300
 cagcatcaga cgtactcgtc ataagtgaga ggcgtgtggt gactgattga 350
 cccagcgtt tggaataaaa tggcagtgc ttttctactt aaagggacca 400
 agctaaattt gtattgggtc atgtagtga gtcaaactgt tattcagaga 450
 tgtttaatgc atatttaact tatttaatgt atttcatctc atgttttctt 500
 attgtcacia gactacagtt aatgctgcgt gctgctgaac tctgttgggt 550
 gaactggtat tgctgctgga gggctgtggg ctctctgtc tctggagagt 600
 ctggtcatgt ggaggg 616

<210> 273
 <211> 637
 <212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 26, 44, 60, 107, 114, 234

<223> unknown base

<400> 273

tgaagttgaa ttgaatgata tgaggntttt ctttcccaag gtcnaccagg 50
accaagattn ttttatagtt ataagccttg aaagaaattc ttgcaagggtg 100
ttggacnctt actnaagcag agaagatgtc ctttgaaact cagaaacgaa 150
ccttggtaca gaaaatcagt atttaaggcc cagaacttat tgaaagcgca 200
atgtacttct accgtgccac gggggatccc accntcctag aactcggaag 250
agatgctgtg gaatccattg aaaaaatcag caaggtggag tgcggatttg 300
caacaatcaa agatctgcga gaccacaagc tggacaaccg catggagtcg 350
ttcttctctg ccgagactgt gaaatacctc tacctcctgt ttgaccaaac 400
caacttcac cacaacaatg ggtccacctt cgacgcggtg atcacccct 450
atggggagtg catcctgggg gctggggggg acatcttcaa cacagaagct 500
caccccatcg accctgccgc cctgcactgc tgccagaggc tgaaggaaga 550
gcagtgggag gtggaggact tgatgaggga attctactct ctcaaacgga 600
gcaggtcgaa atttcagaaa aacactgtta gttcggg 637

<210> 274

<211> 697

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 26, 59, 66

<223> unknown base

<400> 274

tatgggcata gaaaaccctg gaaagnccca tccaccatta tatatagagt 50
gattgtctnt gcttgntgag ctaacagggg tgtcaagctt ccattttggt 100
atctacttct aaatacactc agaccaggag aaatttggac taattttcaa 150
actacagaca ctttctaate atgatgcatt tcaaaagtgg actcgaatta 200
actgagttgc aaaacatgac agtgcccagag gatgataaca ttagcaatga 250
ctccaatgat ttcaccgaag tagaaaatgg tcagataaat agcaagttta 300
tttctgatcg tgaaagtaga agaagtctca caaacagcca tttggaaaaa 350
aagaagtgtg atgagtatat tccagggtaca acctccttag gcatgtctgt 400
ttttaaccta agcaacgcca ttatgggcag tgggattttg ggactcgcct 450
ttgccctggc aaacactgga atcctacttt ttctgggtact tttgacttca 500

gtgacattgc tgtctatata ttcaataaac ctctattga tctgttcaaa 550
 agaaacagggc tgcattggtgt atgaaaagct gggggaacaa gtctttggca 600
 ccacagggaa gttcgtaatc ttggagcca cctctctaca gaacactgga 650
 gcaatgctga gctacctctt catcgtaaaa aatgaactac cctctgc 697

<210> 275
 <211> 621
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22, 48, 82, 136
 <223> unknown base

<400> 275
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 ggtgtgctct acgtgaccaa ttcccacctg gntggggcaa ggtctacttc 100
 gcctatttta ccaacacgtc cagtttagagt acacgnacgt gcccttccac 150
 aaccagtatt cccacatctc gatgctggat tacaaccccc gggagcgcgc 200
 cctctatacc tggaacaacg gccaccagggt gctctacaat gtcaccctgt 250
 ttcacgtcat cagcacctct ggggacctct gagccaatgc tgtggctcgg 300
 gctgctgcct ggggggcctc cgggggctgg gggccctttt cattctgcct 350
 gtgtccctca agggatgatc ctctgtctct gtcacgcctt ttctccccgc 400
 ctttttgctg ggcttttggt ctctgcctat gtatttctgt ctattttttc 450
 aatttccctt cttctccttt attgatctct gcttttaata caccacttct 500
 ttctttctgc ctttttatgg atgtcttttt ctttttatgg ctctgggtct 550
 ccagttcttt ccgtctctgc ctctctctgt ctctctctct ctgtccttcc 600
 accctccctt ccttgcttcc c 621

<210> 276
 <211> 570
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 5, 28, 71, 73, 86, 126
 <223> unknown base

<400> 276
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 tcttggctaa aatcggggga ntnaggcggg ccggcncggc gcgacaccgg 100
 gctccggaac cactgcacga cggggntgga ctgacctgaa aaaaatgtct 150
 ggatttctag agggcttgag atgctcagaa tgcattgact ggggggaaaa 200

gcgcaatact attgcttcca ttgctgctgg tgtactatth tttacaggct 250
 ggtggattat catagatgca gctggtatth atcccacat gaaagatttc 300
 aaccactcat accatgcctg tgggtgtata gcaaccatag ccttcctaata 350
 gattaatgca gtatcgaatg gacaagtccg aggtgatagt tacagtgaag 400
 gttgtctggg tcaaacagggt gctcgcatth ggcttttctg tggtttcatg 450
 ttggcctttg gatctctgat tgcattctatg tggattctth ttggaggtta 500
 tgttgctaaa gaaaaagaca tagtataccc tgggaattgct gtatttttcc 550
 agaatgcctt catctttaata 570

<210> 277
 <211> 642
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 21, 34, 50, 124, 264, 266, 305, 307, 334, 424, 458, 501, 582,
 613, 638
 <223> unknown base

<400> 277
 agtttcctth aaattgggggt nggggtgtta agcnctgaaa atatctthcn 50
 tgattactth accatgtgga catatgggat aaatactgta tttcagattth 100
 acataaaaagt agattagtaa tgcncagctt tcagaataaaa aactgataaaa 150
 aaagaccaag cactatcaac tttggacagt aatttcttag gtgttaaaca 200
 agttttctga atacaatctg gatgcaaaaac ggcttgattth gatgaattca 250
 taattttctt ctgnanactt tcatttttatt aaatattthta ttacttggtt 300
 aaacncnaga attatctatg taaacttcat gggntttthtt gttgaaagtt 350
 agatgttcag taactaattth cccagttatg gcccagaatt aaacattthta 400
 gatcatattth cagaagtcaa aatncaaaaac tggattatca aaacggtttg 450
 tgtggtcnct ttaaactgga ctatcagtat ggttgccgtg gtcactthta 500
 ncgggattat cagtacgggtt ggtgtgggtca ctttggtthta tcatcaatac 550
 agttgggtgtg gtcactthta actggattac cnatatggtt ggtgtgggtcg 600
 ctttaaagtt tgntttcatt tttttctatt tttaatthnt ac 642

<210> 278
 <211> 434
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 19, 146, 162, 199, 203, 225, 245, 271, 286, 298, 323, 328, 359,
 368, 431

<223> unknown base

<400> 278

ttgggtttttc tgttcctgng ttagtttgct gacttaagag gatacagact 50
tgaggtataa tttgtcttag tcagttttgt gttgctataa cagaatacct 100
gagactaggt aatttataaa aataaagttt atttggctca tgattntgga 150
gctggaaagt cnagattggg cagcccatat gatgagggtt gcacacttnt 200
tcnatttatg gcagaaagtg gaaanggaag caggtgtgtc caaanagaca 250
tgcaggagag gttggagtca ntgctctctc aggaantaat tcattctnta 300
gagagtgaga actcacttaa ctnttgcnag agggcattaa tctattcacc 350
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gggaatcaaa tttcaacatg agttttggca nggg 434

<210> 279

<211> 335

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 140, 178, 241, 244, 247, 264, 314, 321, 326

<223> unknown base

<400> 279

cctttggaaa ctgggattaa tgtatgctct agatccatth attagaaatg 50
caaaaataact acaattttttt gatggatgaa aatactcctg taacacaaac 100
agagaactgg aggaactgaa gaataactca ctcatatagn tctgcctcat 150
tctgtgtgtg tgtgcatgtg tgtgttanca gaggtatttt actcagaaaa 200
taggtttcaa agaacattaa tgactttctt ttccctttta ngntngntta 250
atcagttaaa ctgntatggg aaaagtttta tagaactata taacctgaat 300
gttggtctct ttgnacacat nttttntatg actgc 335

<210> 280

<211> 254

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 29, 135, 140, 143, 163, 190, 207, 209, 219, 221, 241

<223> unknown base

<400> 280

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gacacttgcc tgcacggaca cccacatcct gggcctttta gttaccctca 100
acagtgggat gatgtgtgtg gccatctttc ttatnttaan tngtccctac 150
acggtcatcc tangctccct gaagttttac agctttaaan ggcggcacia 200

agccctntnt acctgcagnt nccacctcac ggtggttgta ntgttctttg 250

tccc 254

<210> 281

<211> 402

<212> DNA

<213> Homo Sapien

 $\langle 220 \rangle$

<221> unsure

<222> 25, 96, 205, 265, 331, 334, 337 .

<223> unknown base

<400> 281

tgggtccagg tcaccatcct tagcntcaaa ttcataaaat gggttgcttct 50

acctccagcc tgatatcctt gtgatgggca ggcagaacca gggctntaag 100

gaaaggaacc agcacctgta tcaagaagcc aaagccttcc ctgaaatctt 150

taqcaqacqt ctgcttqtga ctatttggct agaactttgt gacatggcca 200

ctccntgctg caaggacatt tacagttttt cagttgggcc cattgccacc 250

ctgaacaaag ggtcnataag gaagaagacg qagagtggac atgttgggca 300

ttcacctgcc agcactccat ccagacagcc ncanaantgg tgggtaaaca 350

gagacagcat acattcactt atcaactgtt tagtaaattc ctggcatggg 400

ca 402

<210> 282

<211> 515

<212> DNA

<213> Homo Sapien

 $\langle 220 \rangle$

<221> unsure

<222> 56, 176, 217, 231, 253, 282, 287, 337, 350, 352, 364, 403, 452

<223> unknown base

<400> 282

agcccagatc caggaaccat tcctatttca ggattttgaa tgcaaaaactt 50

accttnttac tctaaagatg aatgtcaggg agagatttat tcaaccctga 100

gattttttgca gtctccttca gagtcacaga atagattaag gcctgatgat 150

actcaaaggc ctgggaaaac tgatgncaaa gaattttcag tgccctggca 200

cctcattgca gtgactnttg ggatcctctg nttacttctt ctgatgatag 250

tencagtgtt ggtgacaaat atctttcagt gnattcnaga aaaacatcaa 300

cggcaggaaa tttaagaaa ctgtagttaa aagtacntca tgcaaaatgn 350

cnactactta aaanagcaga ttttgacaaa taagacttta aaatatgacg 400

ttntcaaaaa tagctttcag cagaaaaagg aactggattc acgccttata 450

cnaaagaaca gatgtcatag agaaaatgag atcattttta aagtttttgca 500

aaatacaggc aaatt 515

<210> 283
<211> 433
<212> DNA
<213> Homo Sapien

<400> 283
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gggagagagg tacaggaggt ggtctgggaa aaacaaaatt gatcttccta 150
tcaattgtat ttttgtttag cggaatctat acacacccat ttctttggat 200
attattttcca gttactccag ctaatccaaa taatgatatt tgccctcagt 250
taagaacaga ttttattttt aggaacagaa gtctagtagc agttttgctt 300
tttattaacg ttttaaggaa catttacctt agatatcatg attcttgggc 350
atttgcaaaa tgcagtcaat atcaaacagc aatgggttgct tgttttatga 400
tcggtcagaa tttgtccctt atattaattt cag 433

<210> 284
<211> 496
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 83
<223> unknown base

<400> 284
gccccgagtt tctgtcgcag gttgcgagga aaggccccta ggctgggtct 50
gggtgcttgg cggcggcggc ttctctcccg ctngtcctcc ccggggcccag 100
aggcacctcg gcttcagtca tgctgagcag agtatggaag cacctgacta 150
cgaagtgcta tccgtgcgag aacagctatt ccacgagagg atccgcgagt 200
gtattatata aacacttctg tttgcaacac tgtacatcct ctgccacatc 250
ttctgaccc gcttcaagaa gcctgctgag ttcaccacag tggatgatga 300
agatgccacc gtcaacaaga ttgcgctcga gctgtgcacc tttaccctgg 350
caattgccct ggggtgctgc ctgctcctgc ccttctccat catcagcaat 400
gaggtgctgc tctccctgcc tcggaactac tacatccagt ggctcaacgg 450
ctccctcatc catggcctct ggaaccttgt ttttctcttc tccaac 496

<210> 285
<211> 566
<212> DNA
<213> Homo Sapien

<220>

<221> unsure
<222> 12
<223> unknown base

<400> 285
athtagattt gnatctcttc ccatcaatca tgaatacata aggtaatatt 50
ttatagttgg aaagcattgc ttaatatatt gaatcaataa aaatattgat 100
ttcatatatt taatttttat aatctttaca gattacaata ctgtgatgag 150
actgttcctg taacttttga tccacacaca gaatttcttg gtcctcagaa 200
gaaaacagaa caagtccaaa gagacattgg attttgggtgt ccaaggcatc 250
ttaagacttc tggggggacaa ggatataagt ttctgggaat tgaccagtgt 300
gcgctccat gccccaacat gtattttaaa agtgatgagc tagagtttgc 350
aaaaagtttt attggaacag tttcaatatt ttgtctttgt gcaactctgt 400
tcacattcct tactttttta attgatgtta gaagattcag ataccagag 450
agaccaatta tatattactc tgtctgttac agcattgtat ctcttatgta 500
cttcattgga tttttgctag gcgatagcac agcctgcaat aaggcagatg 550
agaagctaga acttgg 566

<210> 286
<211> 570
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 7, 46, 111, 121, 176, 185, 212, 221, 236, 239, 267, 308, 329,
371, 393, 399, 405, 412, 417, 423, 427, 486, 490, 495, 517, 524,
531, 533, 544
<223> unknown base

<400> 286
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ggaactcctt ggcagactag tgttanaaag ttttngaagc agggtgagtc 200
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ctttttcntc tgtgagcttt agataaacna cctagtgttt aaacttttta 350
ataagggatt cattttttta nacatgagaa ttcatttcaa aantttggnt 400
ttagntatth antttantct acntggntct ttttcagaca gatgttctct 450
cctggattgt aaaagtcgaa ttcaaaggat ttttanttgn aatanactta 500
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acaagaggaa aatgtttccc 570

<210> 287

<211> 556

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 40, 80, 179, 195, 203, 263, 304, 310, 313, 427, 437

<223> unknown base

<400> 287

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ttgggtatcc taatgtgtta atagctgaaa ctcagctgta atttctccta 150
aatacttcag cattttgcat tctgtacant gtgggtgcttt ttcnccttg 200
tantgttcta actgtaagct cctaggggggc agcaatttgg ataaatcttt 250
tggttaagtag ttntcaataa aatatcttcc ctccccatac ccctaccgga 300
aatnttatan tgntctttac aaaacttttg tcaagagtag aaatatatcc 350
aggcagatgt atatgccata caatagcaag aacagtaaag cccaactaat 400
gatttttgagt tttaaaaata gaaggcnatt aaaatgnact caaagttaca 450
ttaagaaaag ctttcacggg ggtaatatg aaacagtcac aaaggttaag 500
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tttgat 556

<210> 288

<211> 594

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 73, 113, 215, 252, 257, 263, 267, 269, 277, 287, 293, 297, 302,
310, 457, 506, 521, 554, 584, 591

<223> unknown base

<400> 288

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 ggtnggacaa aaatagttta ttttacatat agtngaaaat ntgc 594

<210> 289
 <211> 713
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 70, 96, 106, 113, 119, 134, 227, 299, 384, 421, 430, 454, 464,
 546, 556, 561, 597, 616, 622, 667, 673, 712
 <223> unknown base

<400> 289
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 tgatccacag tnc 713

<210> 290
 <211> 687
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 26, 38, 49, 71, 81, 191, 257, 270, 276, 323, 343, 385, 407, 416,
 436, 463, 468, 501, 533, 544, 557, 569, 576, 579, 588, 591, 594,
 600, 605, 649, 682
 <223> unknown base
 <400> 290

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<210> 291

<211> 673

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 27, 34, 66, 97, 187, 229, 263, 309, 314, 346, 397, 448, 451, 463,
487, 491, 536, 563, 575, 608, 618, 625, 636, 656, 666

<223> unknown base

<400> 291

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acgtgngcag caggtngtta tgg 673

<210> 292

<211> 663

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 54, 71, 73, 89, 104, 137, 142, 177, 308, 409, 423, 430, 451, 468,
503, 551, 558, 581, 598, 622, 629, 632, 660

<223> unknown base

<400> 292

ctaaccacag ttgaattttt ggagcttggt ggatttgccc attgccagcc 50
caantatggt ggggaaaagt ntntgagtgt cattttgcnt gttgaagctc 100
tggntaatgt gattattgat ctgagaatga atctttntta gntattccaa 150
acttagttat ttttgcagtt ttggtanttt ttcctcatt ggaactccca 200
aaaatccgat tgcttttgcg tgttttttta tttgcctgat aactgaccc 250
ttccttgaca tttatttttag tggactttca gtaactgaaa gatggaaacc 300
ctttttgnac cgtggaagaa tttgcagaag actttcagtc gtttttgctg 350
gaatgattga gcttacattt tttattcttt ccgcattcaa acttagagac 400
actcacctnt ggtattttgt aanacctggn ttttccattt ttggaatttt 450
ntggatgatt tgtcatanta tttttctttt aactctttgg ggattccata 500
ccnaattaaa tgactgccat aaagtatatt ttactcacag gacagattac 550
natagccntg atagaatcat ggcacccaaa nggatgcgcc atttttgntt 600
gatttcagag cagttggtgt tntttagtnt tnttgcaaca gcgatttttg 650
gagcagtttn ccg 663

<210> 293

<211> 603

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 22, 44, 90, 108, 124, 171, 351, 376, 378, 389, 396, 453, 477,
507, 518, 524, 541, 587

<223> unknown base

<400> 293

tccaggatth ttctccctgg tntaagggtc tgggtcacac ccanaggaac 50
cagtttggtc ctgggcaagc cactgcctat aggataaggn aagatcaaatt 100
aatcatntc agggagaaca aggnccagcc ttcctcctct attcactcaa 150
acacaccacc caagcaccca ntttggccag actctgtgat ggtccctgcc 200

ctcaaaggac tgttcatggt ctagagatga aagagcccag tcaacagtta 250
tactgtgtgg tggcggcggg agggtaatca cagggtatth atgggtacaa 300
aaaggaggca ccctgacctc accagaaata gctaccctgt gccataggct 350
ntaggcagac ttactgaca ttgaananc ttttgcagnc aattancaaa 400
aagactacat gtgtaaatgt gacagaacag ggattcagag cctgaatggt 450
tangcctgct ttatcctcat tttgtcnctg tggaggcaga ggtgggaaaa 500
ctaagtntag aagccatntg agtntgggtg ggagccacct ntatatttgt 550
cataagtctc tgatgggtcct ttggtttcta gctatanctg tgtccactag 600
tgc 603

<210> 294
<211> 704
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 33, 42, 94, 99, 106, 122, 147, 187, 198, 458, 482, 484, 497, 560,
609, 626, 665, 679, 691
<223> unknown base

<400> 294
ttaaggcctt ttaaaatggt ggaaatthttt ggnacaatta tncggaaatt 50
tttaatthttt aaggaatthtt ggaaagtagt ttaaagatag cccnthtttna 100
aaattntaag atcaagcaaa tnaagcttat ttttaaggat tcaaagnata 150
aaagccttca gtaaataggt aaaatthttgg tttattntag aaaacagntc 200
cttgacacag tgagtggctt ttcacacatt gcagttgtta atggthttact 250
gcccttgcca tthtttaatta tgaggctaaa gatgtthtttg acaccgcaca 300
tgtgtgttat ggcttccttg atatgctctc gacagctctt tggctggctt 350
tttcgcagag ttcgtthttga gaaggttatc tttggcattt taacagtgat 400
gtcaatacaa ggttatgcaa acctccgtaa tcaatggagc ataataggag 450
aatttaanaa tttgcctcag gaaaaactth tncnagtggg tcaaatncag 500
taccacatca gatgctgtct ttgcaggtgc catgcctaca atggcaagca 550
tcaagctgtn tacacttcat cccattgtga atcatccaca ttacgaagat 600
gcagacttna ggcttggttg cagtangctt gaaatctggg atgtggaaga 650
cccttccaat gcagntaacc cttccttang tagcgtcctg ntcgaagacg 700
ccag 704

<210> 295
<211> 504
<212> DNA
<213> Homo Sapien

<220>
 <221> unsure
 <222> 89, 104, 139, 152, 165, 171, 211, 223, 278, 313, 351, 374, 386,
 389, 446, 482, 485, 493
 <223> unknown base

<400> 295
 tccaaaaaaa aaataatgga aaactggaaa gagaaaaatt gtttcaaaaa 50
 ctatagcaca cctgttggtta gattcttgtc ttgcctaang tttttcaatt 100
 ttantatttt ctacagtttg gaccgaattc taatttttnt tgactacaag 150
 tnttcaaaat aatgntttca nttttttctt cttttttcca tttttttcca 200
 atttggagtc nctgaaaact aanctgtgct ttcataaagc cctgcaaact 250
 gaatctagac aacttcagaa gaaaaatnac agcaacctat ttacatacat 300
 aagccacttt canacctgcc taccgatgta tggacttcag agtaatgtgg 350
 nttatagcaa ttttccagga ttgntctttt gtttgntgnt gttctccctt 400
 cctcccccta ttttgtcttt atgggacatg acacttcaca acctntaaa 450
 aatgagtttt cctaataact caggacctac tngtntagaa atnaaccatc 500
 ctag 504

<210> 296
 <211> 557
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 48, 104, 163, 201, 212, 228, 244, 251, 257, 293, 365, 444, 458,
 465, 495, 526, 538, 552
 <223> unknown base

<400> 296
 tttttttttc ccctttgggc caggtcgggg tatgataggt cggggaanag 50
 ggggcttttg aggccgaggc cgaggccgtg gacgaggga aggtgccctt 100
 gctngccctg tattgaccaa ggagcagctg gacaaccaat tggatgcata 150
 tatgtcgaaa acnaaaggac acctggatgc tgagttggat gcctacatgg 200
 ngcagacaga tnccgaaacc aatgattnaa gcctgccccat cctnccatga 250
 nagactnttg ttagtcaaca catctgtaaa taaccttgag atnacagatg 300
 agaagaaatc tgattgatgc tggatggacc tatcacaata ggctgtggac 350
 ttacttgcca ccagnttggt catttagtgt gttcctttta ctttttgata 400
 ctgtgttgta tgaaaccctt ttgtcctttg atttgggttt ttgnttttgt 450
 ttttttangg ggganggggg gtttccctc ctttgcccag acttntcttt 500
 gaacacaaat gcattagcct tgtggntaga acacctntt cctacctctg 550

[illegible]

```
<220>  
<221> unsure  
<222> 45  
<223> unknown base
```

```
<210> 298
<211> 515
<212> DNA
<213> Homo Sapien
```

<210> 299

```
<211> 481
<212> DNA
<213> Homo Sapien
```

```
<220>  
<221> unsure  
<222> 168  
<223> unknown base
```

```
<400> 299
gagcggagcc ggcggagcct ctggaatcac ccgggtcgct gttcctgagc 50
agctgcagag catcgagggc tggagaggag cacatactgt ccatggagct 100
ggtggtcaag gtggacaggg gcggtggtga tggcgcagtt tgacactgaa 150
taccagcgcc tagaggcntc ctatagtgat tcacccccag ggaggaggac 200
ctgttggtgc acgtcgccga ggggagcaag tcaccttggc accatattga 250
aaaccttgac ctcttcttct ctcgagttta taatctgcac cagaagaatg 300
gcttcacatg tatgctcatc ggggagatct ttgagctcat gcagttcctc 350
tttgtggttg ccttcactac cttcctggtc agctgcgtgg actatgacat 400
cctatttgcc aacaagatgg tgaaccacag tcttcaccct actgaacccg 450
tcaaggtcac tctgccagac gcctttttgc c 481
```

```
<210> 300
<211> 468
<212> DNA
<213> Homo Sapien
```

```
<220>  
<221> unsure  
<222> 24, 132, 197, 209, 218, 235, 238, 285, 344, 365, 457  
<223> unknown base
```

```
<400> 300
tatggaacag cctccttttg acancagtta cgggctgggtg gtggcaggggt 50
ctgttctggt cctgggagcc atcatcggtg actgggtgga caagaatgggt 100
agacttaaag tggcccagac ctcgctgggtg gnacagaatg tttcagtcac 150
cctgtgtgga atcatcctga tgatggtttt cttacataaa catgagnttc 200
tgaccatgna ccatggangg gttctcactt cctgntanat cctgatcatc 250
actattgcaa atattgcaaa tttggccagt actgntactg caatcacaat 300
ccaaagggat tggattgttg ttggtgcagg agaagacaga agcnaactag 350
caaatatgaa tgcncnaata cgaaggattg accagttaac caacatttta 400
gcccccatgg ctgttggcca gattatgaca tttggctccc cagtcacatcg 450
ctgtgqnttt atttcggg 468
```

```
<210> 301
<211> 466
<212> DNA
```

<213> Homo Sapien

<400> 301

accgcctgac cgtgctggct ggtgcaatgc ttgccttggg actaatgaca 50
tgcttgtcag ttttgtttgg ctatgccacc acagtcattcc ccagggtcta 100
tacatactat gtttcaactg tattatttgc catttttggc attagaatgc 150
ttcgggaagg cttaaagatg agccctgatg agggtaaga ggaactggaa 200
gaagttcaag ctgaattaaa gaagaaagat gaagaatttc aacgaaccaa 250
acttttaaat ggaccgggag atggttgaac gggtaacaagc ataacagtac 300
ctcagaaaaa gtggttgcac tttatttcac ccatttttgt tcaagctctt 350
acattaacat tcttagcaga atggggtgat cgctctcaac taactacaat 400
tgtattggca gctagagagg acccctatgg tgtagccgtg ggtggaactg 450
tgggcgaacc ccttgc 466

<210> 302

<211> 648

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 10, 15

<223> unknown base

<400> 302

tcgaaccan ggggnccgcc gaacgcgtgg gaccatatag agaaatagca 50
tgaatatttt tattaggaga tgtttcaaag actgtattcc aatgggttaa 100
ggaaagtcca aaacctcttt aaggaacact gcaagttgag cctctgctgt 150
tttaataggt aggtgacctt gacctgagca gtctttttga atttcaattt 200
tctaactcttt aaaatgaggt ttttggtgat cctcagttt cctttcagct 250
ctggaatttg gtgggtaagt taccttgaat gtgtatcttt tcttggttaa 300
attttaaaaa acaatataga aggaacaaa tcctttttac tcctattttt 350
tagaaataac ccctaaacct ggtaatatat tgacgtgttt ttttcaaact 400
tgtctgtgca ttttttaaag gagcttctgt cgtatatagt tatgccctgc 450
ttttgtgtgc atgttaagca tttggtatgt tatttttaaag tggaatgcct 500
tgaagaatga atcagtcaga cctactgtta acattttgat gtatttcaga 550
ctgacttaca attttttggt atttgatatt atgtataatt atatcctgca 600
tttacttagc atattaagga tttttttata tgtaatttta aagtggaa 648

<210> 303

<211> 444

<212> DNA

<213> Homo Sapien

<220>
<221> unsure
<222> 83, 103
<223> unknown base

<400> 303
atTTTTtatg tattcatagt ataaaagacc ttcagtaa at aggtaatat 50
tttgttttat tctagaaaac agctccttga acncagtaag ctggcttttc 100
acncattgcc agtggtaagt gtttactgcc cttgccattt taattatgag 150
gctaaagatg tttttgacac cgcacatgtg tgttatggct tccttgatat 200
gctctcgaca gctctttggc tggctttttc gcagagttcg ttttgagaag 250
gttatctttg gcattttaac agtgatgtca atacaagggt atgcaaacct 300
ccgtaatcaa tggagcataa taggagaatt taataatttg cctcaggaag 350
aacttttaca gtggatcaaa tacagtacca catcagatgc tgtctttgca 400
ggtgccatgc ctacaatggc aagcatcaag ctgtctacac ttca 444

<210> 304
<211> 427
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 81
<223> unknown base

<400> 304
atgaaatcct gctttctttt cctcagaact actatatcca gtggctaaat 50
ggctccctga ttcattggtg tggaaatctgg nttccctttt ttccaacctt 100
tggttaattg gaattgatgc cctttgcctt tttctttctg gaatcagaag 150
gctttgctgg cctgaaaaag ggaatccgag cccgcatttt agagactttg 200
gtcatgcttc ttcttcttgc gttactcatt cttgggatag tgtgggtagc 250
ttcagcactc attgacaacg atgccgcaag catggaatct ttatatgatc 300
tctgggaggt ctatctaccc tatttatatt cctgtatatc attgatggga 350
tgtttgttac ttctcttggtg tacaccaggt ggcttttctc gtatgttcac 400
agtgatgggt cagttgctag tgaagcc 427

<210> 305
<211> 600
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 14, 19, 27, 54, 65, 126
<223> unknown base

<400> 305
 atagtattaa gtcnattgng caagtnagc cttagaagat ttggagtgtt 50
 ttttactctt tttcntggtg gcttagaatt ttctccaaga aaagttaaga 100
 aagggtgtgaa gatttcctta caaggnccgt gtacatgaca ctgttaatga 150
 ttgcatttgg cttgctgtgg gggcatctct tgcggatcaa acccacgcag 200
 agcgtcttca tttccacgtg tctgtccttg tcaagcacac cctcgtgtc 250
 caggttcctc atgggcagtg ctcggggtga caaagaaggc gacattgact 300
 acagcaccgt gctcctcggc atgctggtag gcaggacgtg cagctcgggc 350
 tcttcatggc cgtcatgccg actctcatc aggcgggcgc cagtgcattc 400
 tctagcattg tcgtggaagt tctccgaatc ctggttttga ttggtcagat 450
 tcttttttca ctagcggcgg tttttctttt atgtcttgtt ataaagaagt 500
 atctcattgg accctattat cggaagctgc acatggaaag caaggggaac 550
 aaagaaatcc tgatcttggg aatatctgcc tttatcttct taatgttaac 600

<210> 306
 <211> 492
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 120, 215
 <223> unknown base

<400> 306
 aacctatata aaatagtttt tagcagttta tagctgtgac catcaagtca 50
 gataatttgg gatgttcaca gagagctctg ggtgattatg acagtgacca 100
 cccacatctc ttatttggtt tgcttcattt ctctactagg gagaggaggt 150
 catataatat atggtatttt tatgttattt tagataaatc catatcaaca 200
 cagcacagga gaacnaatta taccctctgg tagattttgg ggtataaacg 250
 tcatgaaatg tttctcagaa agtgagaaat atttcttgat tgtatcttta 300
 aaattaatgc aaaattgtta tgttactcca taatttattt gtgtgcatta 350
 ctgtaagggt catgtgtatt catattaaat tttttctttt aaaaattggg 400
 ttcaatgaat tatctaggat gattgcattg tttgtggcat caagtgttgt 450
 ttctcccttt ccataccaag catatcctgc ttttgggtaca gg 492

<210> 307
 <211> 495
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 19, 49, 65, 158, 178, 211, 218, 221, 225

<223> unknown base

<400> 307

ttacttgtga gtatcatcnt gtcctttaat cctgtaccct aaaataagna 50
atacattttt gacanaggct taatgtttta acaaaagagt gtggacattt 100
ttatttttaa atttaggcaa aagtcactat caaatgggtg cttatttgtc 150
tcacacanc c atagttttt tcctggangg ttttgttttg ttgttggtga 200
aaagactttg nttacagnta natgnaacct ttttatagaa aaaaaaatt 250
gttgaaaggc ccagttctca gtaccatgtg agttaatgat actacaacta 300
agttcttttt aaaaagtgat taatgtattt tataaattac cttttcacat 350
atgcaaaatc tgtttctact acaatgttat ttttactaat gccttattgt 400
tgcactcttt ttgaaatatc ctgcagtgaa tatatgaatc aatttgggct 450
taaaactgaa agccagttgg ctgaaagggt tgaaatacgt acccc 495

<210> 308

<211> 478

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 18, 43, 154

<223> unknown base

<400> 308

ttctttcttt tcccatntc attcattcag gctcctttcg canaagtgag 50
gtatttagat aatcaaaacc ccacacaaga cctcaacagc aaatacagat 100
gaaatgtaat tattatttca attaaaaagg gaataatatt tgtaggccat 150
tgtnaccagt attctctcgt tttaactagt tttgctgcat ttaaattaag 200
tgctgctctt cagcttttgt gtacagctat aagtgcacat tggaatttat 250
atgtatatat atagagagag agagagagag agagaaaatg actgctgggt 300
cagtgtgtgt cctcagatc ataccactac gagtgcctca gcctggaaaa 350
gctaaccatg aaattgataa caatacgctt ttggaaatga aatcaggtaa 400
gaatcacata tgtttgaaat tgtttaaaat aacattgtca tatttcttgt 450
gttatctggg tgctgggtta tctctttg 478

<210> 309

<211> 469

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 24, 132, 155

<223> unknown base

<400> 309
 gtggcccgtc tggctagtcc tgtntaagcg cgcccatttc gagcccaagt 50
 ttccagctcg ggtttccggg ctcagaattt tccaggagtg ggttcttggg 100
 cagtggctgt ggaacaggaa tggcgcagct anagggttac tgtttctcgc 150
 cgcenttgag ctgtaccttt ttagtgctct gcctcctctt ctccgccttc 200
 agccggggcgc tgcgagagcc ctacatggac gagatcttcc acctgcctca 250
 ggcgcagcgc tactgtgagg gccatttctc cctttcccag tgggatccca 300
 tgattactac attacctggc ttgtacctgg tgtcagttgg agtgggtcaaa 350
 cctgccattt ggatctttgg atgggtctgaa catgttgtct gctccattgg 400
 gatgctcaga tttgttaatc ttctcttcag tgttggcaac ttctatttac 450
 tatatttgct tttccacaa 469

<210> 310
 <211> 524
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 4, 15, 206, 227
 <223> unknown base

<400> 310
 cgntcggcc catgnacgcc ttgtgcggtt ccggggagtc ggctccaagt 50
 ctgggactcc aacctgtctg tgcacacaga aaaccggac ctactccct 100
 gcttccagaa ctccctgctg gcctgggtgc cctgcatcta cctgtgggtc 150
 gccctgccct gctacttgct ctacctgcgg caccattgtc gtggtacatc 200
 atcctntccc acctgtccaa gctcaanaat ggtcctgggt gtcctgctgt 250
 ggtgcgtctc ctgggcggac cttttttact ccttccatgg cctgggtccat 300
 ggccggggccc ctgcccctgt tttctttgtc acccccttgg tgggtgggggt 350
 caccatgctg ctggccaccc tgctgataca gtatgagcgg ctgcagggcg 400
 tacagtcttc gggggctctc attatcttct ggttcctgtg tgtgggtctgc 450
 gccatcgtcc cattccgctc caagatcctt ttagccaagg cagaggggtga 500
 gatctcagac cccttccgcc tcac 524

<210> 311
 <211> 501
 <212> DNA
 <213> Homo Sapien

<400> 311
 ccatcaggaa ggtgaaagag gtctttggga caggggccat gagacatgtg 50
 gtcacctct tcacccacaa agaggactta gggggccagg ccctggatga 100

ctatgtagca aacacggaca actgcagcct gaaagacctg gtgcgggagt 150
 gtgagagaag gtactgtgcc ttcaacaact ggggctctgt ggaggagcag 200
 aggcagcagc aggcagagct cctggctgtg attgagagggc tggggagggga 250
 gcgagagggc tccttccaca gcaatgacct cttcttggat gccagctgc 300
 tccaaagaac tggagctggg gcctgccagg aagactacag gcagtaccag 350
 gccaaagtgg aatggcaggt ggagaagcac aagcaagagc tgaggagaaa 400
 cgagagtaac tgggcataca aggcgctcct cagagtcaaa cacttgatgc 450
 ttttgcatta tgagattttt gtttttctat tgttgtgcag catacttttt 500
 t 501

<210> 312
 <211> 655
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 85, 118
 <223> unknown base

<400> 312
 tctttgttct cacaagttat ctttacattg gaatgacct gaattaggaa 50
 gttaaagtga acttggttgg atttggatac tgctntaaaa gttagaaaat 100
 taggtcattt gacatttntg ctccgtgttt tgccatgttt ggttcctaca 150
 tacttttgca aagatcaagg aagacctttg aggcattctt ttatctctta 200
 tttctattac tatcacccca attcaagtca tcatcattac cctggacttc 250
 tgggatagct tcccactggt cccactcatc tactcttgct cactgccttc 300
 cccccaaacc ccctaaaatt cattctccag atagtgacta gagtgaatcg 350
 actatatctt ctcttttcct gctctggata taatttatat cttttcctgc 400
 tctggatata atttatatcc ttcattctcc atttctgtgc ccctgtgtgc 450
 caactgctat tgtctgcatt agatggactt ccttatcttc tggcttctat 500
 tgaatttggt gaactgggga gggcgaagta ggagatcagt gtgtgggaga 550
 agaaagaagt ttgagtattt atcacctagg aagggggact tccaggacac 600
 tgtttggcag ggatgctggg cctctactgg aggcctagtt ccgactgtgt 650
 tgccc 655

<210> 313
 <211> 239
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure

<222> 226, 234
<223> unknown base

<400> 313
ttttttttttt tttttttttg gattaatgag gaaatcattc tgtggctcta 50
gtcataattt atgcttaata acattgatag tagccctttg cgctataact 100
ctacctaaag actcacatca tttggcagag agagagtcgt tgaagtccca 150
ggaattcagg actgggcagg ttaagacctc agacaaggta gtagaggtag 200
acttgtggac aaggctcggg tcccanccgg acgngtggg 239

<210> 314
<211> 175
<212> DNA
<213> Homo Sapien

<400> 314
atttgggttt tttttttcca aaaattgctg aaatattgtt ttgccatttt 50
taaaaagtct caggttatta ccactctgcc attaaatatt tgtatgcctg 100
catttttaaa aattctgtgc atgtacttta tggagtacat tctatttttg 150
ttttcagata ccccgacgc gtggg 175

<210> 315
<211> 971
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 262, 355, 369, 486, 539
<223> unknown base

<400> 315
cggacgcgtg gggaaacctt gccttcaagg gttttttgtt ttgttttgtt 50
ttgttttttg tttgtttggg tttgttttgt tttggtttgg ttttgaaacg 100
gagtctcgct ctgtcgcca ggctggagtg cagtggcgca atctcggctc 150
actgcaagct ccgcctcccg ggttcacgtc attctcctgc ctcagcctcc 200
cgagtagctg ggactacagg cgtccactac cacgcctgga taattttttg 250
tattttcagt anagacgggg tttcacctgt ttagccagga tgggtcttgat 300
ctcctgacct catgatcccg cctgcctcgg cctcccaaag tggtgggatt 350
acagngcgtg agccaccgng ccgggcacct tcaaggtttt gttaattttg 400
gataatgcta caatccgttg ctgcaaagaa ctcgaaaatg cacacgcca 450
cataggagtt ctttttatgc ccccaaakat taagtntttc atccaacccc 500
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ttatatgaag gcctgtgagg ctctcaggac caacaaggaa accaccatgc 600
tggactattg gaagtcggtc actacatgca acgttattga ttatgtcagt 650

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acagcctggg agagcattgg tcaggctact accaataact gttgggaaaa 700
tgtttggcca gactgcgtgg agaattttga agggtttgaa ggtgttacag 750
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attgtccctc tcacagcgcc c 971

<210> 316
<211> 673
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 67, 115, 126, 132, 135, 274
<223> unknown base

<400> 316
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atacatcccc atgtttntgg cacaatcctt ctttgaaaat aatatggaac 100
ttagatatat ttagncatta cgttcntctg gntgnatgac atcattcaag 150
agcttttcaa agcatttggt cagatcttca gtactggcca gttttcatac 200
agtctcgggg ttttaaaact ttgaaatcaa ggacacgacg tctccagtct 250
acctccgaga gattagttga aacncagaat atagcgccat cattcgtgaa 300
ggggtttctt ttgcgggaca gaggatcaga tggttgagagt ttggacaaac 350
tcatgaaaac caaaaatata cctgaagctc accaagatgc atttaaaact 400
ggttttgcgg aagggttttc tgaaagctca agcactcaca caaaaaacca 450
atgattccct aaggcgaacc cgtctgattc tcttcgttct gctgctattc 500
ggcatttatg gacttctaaa aaaccatttt ttatctgtcc gcttcgggac 550
aacaacaggg cttgattctg cagtagatcc tgtccagatg aaaaatgtca 600
cctttgaaca tgttaaaggg gtggaggaag ctaaacaaga attacaggaa 650
gttggtgaat tcttgaaaaa tcc 673

<210> 317
<211> 557
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 27, 43, 52, 59
<223> unknown base

<400> 317
 cgcttgggca ggttggggtt gaaactnttc accccttgcg gtntgtactg 50
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 gatagctgga ggaactgggc ctccctcctt aggctgtgct ggccctgagct 150
 gggagcctga gagctggggc agttgtctct aaagtggctt ctgggattct 200
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 aggggtctcc atccagatca gctgaatcag agtttgcatt gttaacaaga 350
 ttctgcttct cagaagatgc actattatag atactctaac gccaaaggta 400
 gctgctggta caagtacctc cttttcagct acaacatcat cttctggttg 450
 gctggagttg tcttccttgg agtcgggctg tgggcatgga gcgaaaaggg 500
 tgtgctgtcc gacctacca aagtgacctg gatgcatgga atcgacctg 550
 tgggtgcc 557

<210> 318
 <211> 570
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 1, 38, 52, 104
 <223> unknown base

<400> 318
 ntgcagtcaa cgcagcttcc cgggttcagc ctgggaanat ggcggaatcg 50
 gnaaccccag agcccgggtg ttagaccggg gtccgcccgt tccccacag 100
 ccnntttcct aatcgttcag acggagcctg gtcgacttcg ccggagactg 150
 ccagatctcg ttcctcttcc ctgtgtcatc ttcttaatta taaataatgg 200
 gggatgaaga taaaagaatt acatatgaag attcagaacc atccacagga 250
 atgaattaca cgccctccat gcatcaagaa gcacaggagg agacagttat 300
 gaagctcaaa ggtatagatg caaatgaacc aacagaagga agtattcttt 350
 tgaaaagcag tgaaaaaaag ctacaagaaa caccaactga agcaaatac 400
 gtacaaagac tgagacaaat gctggcttgc cctccacatg gtttactgga 450
 cagggtcata acaaattgta ccatcattgt tcttctgtgg gctgtagttt 500
 ggtcaattac tggcagtgaa tgtcttcctg gaggaaacct atttggaatt 550
 ataatcctat tctattgtgc 570

<210> 319
 <211> 698
 <212> DNA
 <213> Homo Sapien

<220>
<221> unsure
<222> 27, 57, 82, 87, 148
<223> unknown base

<400> 319
tcagcgggta agaaaattct acttccnggg atttttgtaa aaggcaaaaa 50
ccttttnttc cccattggca tacattccca angtttntgc ccaatccttc 100
ttttgaaaat taaatatgga acttagatat atttagtcat tacgttcntc 150
tggcttgat ggacatcatt caagagcttt tcaaagcatt tgttcagatc 200
ttcagtactt ggccagtttt catacagtct cggggtttta aaactttgaa 250
atcaaggaca cgacgtctcc agtctacctc cgagagatta gctgaaacac 300
agaatatagc gccatcattc gtgaaggggt ttcttttgcg ggacagagga 350
tcagatgttg agagtttgga caaactcatg aaaaccaaaa atatacctga 400
agctcaccaa gatgcattta aaactgggtt tgcggaagggt ttttctgaaa 450
gctcaagcac tcacacaaaa aaccaatgat tccctaaggc gaaccctct 500
gattctcttc gttctgctgc tattcggcat ttatggactt ctaaaaaacc 550
catttttatc tgtccgcttc cggacaacaa cagggttga ttctgcagta 600
gatcctgtcc agatgaaaaa tgtcaccttt gaacatgtta aaggggtgga 650
ggaagctaaa caagaattac aggaagtgtg tgaattcttg aaaaatcc 698

<210> 320
<211> 443
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 4
<223> unknown base

<400> 320
gccnagcggg cgggccgctt aaacgggctg ctctgtgccg ttcttttacc 50
tgagaaatgc tacgaccaac ttttcgttca gtgggacttg cttcacgtcc 100
cctgcctcaa gattctcctc agcaaaggcc tggggctggg cattgtggct 150
ggctcacttc tagtaaagct gccccagggt tttaaaatcc tgggagccaa 200
gagtgtgaa gggttgagtc tccagtctgt aatgctggag ctagtggcat 250
tgactgggac catggtctac agcatcacta acaacttccc attcagctct 300
tgggggtgaag cttattcct gatgctccag acgatcacca tctgcttcct 350
ggtcatgcac tacagaggac agactgtgaa aggtgtcgtt ttctcgtctt 400
gctacggcct ggtcctgctg gtgcttctct cacctctgac gcc 443

<210> 321
<211> 477
<212> DNA
<213> Homo Sapien

<400> 321
gttggcctga ttctccccac cagaggacag acgttgaaag ataccacgtc 50
cagtttttcag cagacgcaac tatcatggac attcaggtcc cgacacgagc 100
cccagatgca gtctacacag aactccagcc cacctctcca accccaacct 150
ggcctgctga tgaaacacca caaccccaga cccagaccca gcaactggaa 200
ggaacggatg ggcctctagt gacagatcca gagacacaca agagcaccaa 250
agcagctcat cccactgatg acaccacgac gctctctgag agaccatccc 300
caagcacaga cgtccagaca gacccccaga ccctcaagcc atctggtttt 350
catgaggatg accccttctt ctatgatgaa cacaccctcc ggaaacgggg 400
gctgttggtc gcagctgtgc tgttcacac aggcacatc atcctcacca 450
gtgcggacgc gtgggcggac gcgtggg 477

<210> 322
<211> 505
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 48, 75
<223> unknown base

<400> 322
cagtgccttt agattgtgtt ttgcctcctc caatgtagag ttgacatntg 50
gaccccagag cccagcaggg ctttntgtca gacatgtagg gtggtagaaa 100
tgggccctcc aggtccccct gcagtgcact gggcagagac ctccggaaaag 150
ccggcagcgg gagcgcttcc tgggcagctt ccccagcac agtgttccca 200
aaccagtcca tccggaaaac agtctgtaca gcaaagtctg tgtgagatct 250
taggcttttc actttttttt gttttgtttt gtttttgaaa gaaagaaaaa 300
aatacaatta acaagcctct tttgtaaag gggttccttt ctatgtataa 350
aatcgtggtg gtcccttggt tttacatggt catgctgtgt aattttgaga 400
tgttactgag atatgttctg aacataatgt gcattttttt ctgtacagat 450
gaaatgggag aatttaataa agagtttgca gccacgcgt ccgcggacgc 500
gtggg 505

<210> 323
<211> 632
<212> DNA
<213> Homo Sapien

<220>
 <221> unsure
 <222> 21, 75, 80, 107, 117
 <223> unknown base

<400> 323
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 tttgtgncaa tctattncaa tgtcataatt gcctatagtc tttactacat 150
 gtttgcttct tttcaaagtg aactaccatg gaaaaattgt tcttcgtggg 200
 cagataaaaa ctgtagcaga tcaccaatag taactcactg taatgtgagt 250
 acagtgaata aaggaataca agagatcatc caaatgaata aaagctgggt 300
 agacatcaac aattttacct gcatcaacgg cagtgaatatt tatcagccag 350
 ggcagcttcc cagtgaacaa tattggaata aagtggcgct ccaacgggtca 400
 agtggaatga atgagactgg agtaattgtt tgggtatttag cactttgtct 450
 tcttctgggt tggctcatag ttggagcagc actattttaa ggaatcaaat 500
 cgtctggcaa ggtggtatat ttacagctc ttttccccta tgtggtccta 550
 ctcacctgt tagtacgagg tgcaactctg gaggggtgctt caaaaggcat 600
 ttcatactat attggagccc cggacgcgtg gg 632

<210> 324
 <211> 502
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 9, 24
 <223> unknown base

<400> 324
 cggggggcgt acaccactgc ctgngtcttc accaccgccg ccgtgcagtt 50
 ggaattgatc acaccttttc agttgtactt caatcctgaa ttaatcttta 100
 aacactttca aatatggaga ttaatcacca acttcttatt ttttgggcca 150
 gttggattca atttttttatt taacatgatt tttctatata gttactgtcg 200
 aatgctagaa gaaggctctt tccgaggtcg gacagcagac tttgtattta 250
 tgttcctttt tgggtggattc ttaatgacct tttttggtct gtttgtgagc 300
 ttagttttct tggggccaggc ctttacaata atgctcgtct atgtgtggag 350
 ccgaaggaac ccctatgtcc gcatgaactt cttcggcctt ctcaacttcc 400
 agggccctt tctgccctgg gtgctcatgg gattttcctt gttgttgggg 450
 aactcaatca ttgtggacct tttgggtatt gcagttggac cggacgcgtg 500
 gg 502

<210> 325
<211> 375
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 9
<223> unknown base

<400> 325
tgcaaattnt gagattcaga gactaaagta atttatttat acatagctaa 50
tcagtgccag agctgtgaat ctaagattat cttgctctta atcacaaaaa 100
tacacagtta ttagttgttt gcatttgatg caaatgactt ggaacccaca 150
cattttacac atttttaatg aatgaaatga ctagtttgat tcattacacg 200
tttgtggaaa ttttgcagct aggttttaaa ttaagaacac cagatttatt 250
taaatacaat ttaaaatcat tgtattccaa atggaagttt tcttctataa 300
gaataccagg ctggatgtgg tggctcacac ttgtaatcct agcactttgt 350
gtggccgagg aagcggacgc gtggg 375

<210> 326
<211> 198
<212> DNA
<213> Homo Sapien

<400> 326
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ttagccgctg caggagccct tcttttctgt ggattcatca tctatgacac 100
aactcactg atgcataaac tgtcacctga agagtacgta ttagctgcca 150
tcagcctcta cttggatatc atcaatctat tcctgccgga cgcgtggg 198

<210> 327
<211> 489
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 18
<223> unknown base

<400> 327
caagttaggt gatccagntt ttgtggtctt ttgcaaccct tgtggtcatt 50
gtgcccttga tattaatctt cgtggtgggt cctcgccatg gcagacaaac 100
attcttgtgt acataacaat ctgctctgta atcggcgcgt tttcagtctc 150
ctgtgtgaag ggcttgggca ttgctatcaa ggagctgttt gcagggaagc 200
ctgtgctgcg gcatccctg gcttggatc tgctgctgag cctcatcgtc 250
tgtgtgagca cacagattaa ttacctaaat agggccctgg atatattcaa 300

cacttccatt gtgactccaa tatattatgt attctttaca acatcagttt 350
 taacttggtc agctattctt ttttaaggagt ggcaagagat gcctgttgac 400
 gatgtcattg gtactttgag tggcttcttt acaatcattg tggggatatt 450
 cttgttgcat gcctttaaag acgtcagctt tagtctagc 489

<210> 328
 <211> 559
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 43, 46
 <223> unknown base

<400> 328
 aaagtgggtcc ttttagggta aagagtttta aagagtttaa tgngtntatg 50
 gcaggtttg gaaaggtaag aaatgggtcc tttttcctcc taatgttttt 100
 ggcaactaaa acataaaaatt cattatccta ttaaaaaaatt aaattcagtt 150
 tgctaatacca gaaattgttc ccaaataaaa acttgtttta agtccacccc 200
 ttagtttcct tattttacaa ggtctctctt cagggaacca caggggctta 250
 gagagcctta gtttagattaa agggagaccc tacctcttaa aaccagtttt 300
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 aagtcttccc aaggccagaa tcgaaagaaa attaaaattt gaatgctgaa 400
 tattctggct ctactctggc ctttttttct ggttcccttc caaaatgcac 450
 aaatcatacc cttgtctgct ccaattcagt ctccaaacct ggtgcctgtg 500
 ctcttggtccc ccctagcatc atgctatccc aggagtatca ggaccagaca 550
 catccacgg 559

<210> 329
 <211> 523
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 4, 14, 60, 71, 99
 <223> unknown base

<400> 329
 ggcnaaggcg gccnaagacg gacatgaagc aatatcaagg ttccggcggg 50
 gtcccatgn atgtggaacg nagtcgcttt ccctactgc gtggtgtgna 100
 cgcccatccc ggtgctcacg tggtttttcc ccatcatcgg ccacatgggc 150
 atctgcacat ccacaggagt cattcgggac ttcgcgggcc cctactttgt 200
 ctgagaggac aacatggcct ttggaaagcc tgccaagtac tgaagttgga 250

ccctgctcag gtctatgcta gcgggcccac cgcattgggac acggctgtgc 300
acgacgcctc tgaggagtag aagcaccgca tgcacaatct ctgctgtgac 350
aactgccact cgcacgtggc attggccctg aatctgatgc gctacaacaa 400
cagcaccaac tgggaatatg tgacgctctg cttcttctgc ctgctctacg 450
ggaagtacgt cagcgttggg gccttcgtga agacctggct gcccttcac 500
cttctcctgg gcatcatcct cac 523

<210> 330
<211> 365
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 83, 124
<223> unknown base

<400> 330
tttgatttaa tgttggttgt gtgtctctc ctggcaactg gattttgcct 50
gttcagaggt ttgattgctt tggattgccc atntgagctc tgccgattat 100
atacgcaatt tcaagagccc tatntaaagg atcctgctgc ttatcctaaa 150
attcagatgc tggcatatat gttctattct gttccttact ttgtgactgc 200
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tgatacatgc tggaggtctg gctcaggctc agttttctca cattggtgca 300
tctcttcacg ctagaactgc ttatgtctac agagtcctctg aagaagcaaa 350
aatccttttt ttagc 365

<210> 331
<211> 441
<212> DNA
<213> Homo Sapien

<400> 331
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actttcattt gtaatttatg tacgcatcta acgtctatct acgtgtatac 100
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aagctgaaga atttgtccaa atctatgttc ctttttggtt gtaaatacacc 200
tgatgatggg gatatactg tggccaacga aatgtcaagg gaagtctgct 250
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agcatgatgc acagaggagc tatgatcttt tcttggtttc ctcactggat 350
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atgaaaggag ctcacatgaa atcatgttga acatagcaga g 441

<210> 332
<211> 627
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 45-46, 52, 71, 173, 226, 275
<223> unknown base

<400> 332
aggttggtcc ttttccggtt ttttggccaa tttcaagttt ccagnntcca 50
tnatccaagt ttgaagcccc ntggcggatc cttaaaaatc cctgacctga 100
ccagggtcgc caagggtcgc acaaggcctg ggccaggttc ccacaggag 150
gtgaaaaaac tcccattccg ttnaaaagca gtttcctttg ggacccattt 200
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tgcaaatgtt ctaccaatag ccccnagaac tccaccaccc tctctctgtc 300
ttgtggctca agtcgagcaa cctgaaagga tatatttttt caaataagta 350
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ccctctctcc ctggaagggtg gaaatgtaac aaattggatt gtgagtgtgt 550
ctgtcctttg tgcttgggtc ctggagcagg gcatccggct gccgggcaga 600
gctgctgcga gagaggctcag agctacc 627

<210> 333
<211> 607
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 112-113, 151, 175, 183, 196, 211, 215, 223, 241, 247
<223> unknown base

<400> 333
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agggtcgggc aagcaagtgc cagaagaata aagaagatgg acgcaaaaag 100
aagaaaggaa gnnccagaag agacgaagag atgaaacgac agtcagatga 150
natgaggagg aaagaaaggt ttcanaaagc cgncggaaat gaaagncgtc 200
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aagatcgagg tctgcttata tgctgttacc ttggacacca gagcagctat 300
aggtatctgc cagagctatg aaatcattca gccggatcct cttcctcgtc 350
ttcctcctcg ccggcctgag gtccaagccg ctccctcagc cctctgcct 400

ttgggctgtg gctttccgga catggccac ccctctgaga cttccccctct 450
gaagggtgct tctgaaaatt ccaaacgaga tcgccttaac ccagaatttc 500
ctgggactcc ttaccctgag ccttccaagc tacctcatac ggtttccctg 550
gaaaccttcc cacttgactt cactgagccc ctcaaccctg acctccgaga 600
aaccctcg 607

<210> 334
<211> 417
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24
<223> unknown base

<400> 334
ttcagactca ctgaatcaga accttgggat aggccagcac gctgtgcttt 50
accaagctct aggtgatgcc aattcatact caagtgtgag gctgactggc 100
ttatttgaag ggagagaaag gaacaggcac atggcgacat atcagcattt 150
acacaaggcg tgctgggtaa ccataggaac acctttatta cggttaaata 200
ggaaacaggc atcaatgcag agggcccccga ggagaatcag gaaggtcgag 250
actgtcactg tctgagggca ctgttggtgaa acgatggccg aaggtgacaa 300
ccacagcaaa gtttcaagga agttcactga aacgtggaaa aaccactca 350
atgtcctgct ctcatattata ttgagtggct taagtattta ttttcttggt 400
tttttagagg aaggag 417

<210> 335
<211> 531
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 40, 76
<223> unknown base

<400> 335
gaagcttccg ttgccaagcg acatgttcaa ggtaattcan aggtccgtgg 50
ggccagccag cttgagcttg ctacnttca aagtctatgc agcaccaaaa 100
aaggactcac ctccccaaaa ttccgtgaag gttgatgagc tttcactcta 150
ctcagttcct gaggggtcaat cgaagtatgt ggaggaggca aggagccagc 200
ttgaagaaag catctcacag ctccgacact attgagagcc atacacaacc 250
tggtgtcagg aaacgtactc ccaaactaag cccaagatgc aaagtttggt 300
tcaatggggg ttagacagct atgactatct ccaaatgca cctcctggat 350

tttttccgag acttggtggt attggttttg ctggccttat tggactcctt 400
 ttggctagag gttcaaaaat aaagaagcta gtgtatccgc ctggtttcat 450
 gggattagct gcctccctct attatccaca acaagccatc gtgtttgccc 500
 aggtcagtgg ggagagatta tatgactggg g 531

<210> 336
 <211> 446
 <212> DNA
 <213> Homo Sapien

<400> 336
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 acctgagaaa tgctacgacc aacttttcgt tcagtgggac ttgcttcacg 100
 tcccctgcct caagattctc ctcagcaaag gcctggggct gggcattgtg 150
 gctggctcac ttctagtaaa gctgccccag gtgttttaaaa tcctgggagc 200
 caagagtgtc gaagggttga gtctccagtc tgtaatgctg gagctagtgg 250
 cattgactgg gaccatgggc tacagcatca ctaacaactt cccattcagc 300
 tcttgggggtg aagccttatt cctgatgctc cagacgatca ccatctgctt 350
 cctggtcatg cactacagag gacagactgt gaaagggtgc gctttcctcg 400
 cttgctacgg cctggctcctg ctgggtgcttc tctcacctct gacgcc 446

<210> 337
 <211> 489
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 16, 67
 <223> unknown base

<400> 337
 cggaacgcgt gggcgnacgc gtgggcaaga tgtccctgtg gactcccaaa 50
 ctctactcca gatgggnagg tgccttaac accaagattt taaaagctcc 100
 aatttcagag caagagtcga aaactcacag ataaagttat agttatttca 150
 gggttctgaa aagacgcaga acatgaaggg actcagaagt ctggcagcaa 200
 caaccttggc tcttttcctg gtgtttgttt tcctgggaaa ctccagctgc 250
 gctccgcaga gactgttgga gagaaggaac tggactcctc aagctatgct 300
 ctacctgaaa ggggcacagg gtgcgcgctt catctccgac cagagccgga 350
 gaaaggacct ctccgaccgg ccactgccgg aaagacgaag cccaaatccc 400
 caactactaa ctattccgga ggcagcaacc atcttactgg cgtcccttca 450
 gaaatcacca gaagatgaag aaaaaaactt tgatcaaac 489

<210> 338

<211> 452
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 3
<223> unknown base

<400> 338
ccntgcacaa gcagcacttt cttttgccat agcaacatgt gcatcaataa 50
ttcttttagtc tgtaatgggtg tccaaaattg tgcataccct tgggatgaaa 100
atcattgtaa agaaaagaaa aaagcaggag tatttgaaca aatcactaag 150
actcatggaa caattattgg cactacttca gggattgtct tggtccttct 200
cattatttct atttttagtac aagtgaacaa gcctcgaaaa aaggatcatgg 250
cttgcaaaac cgctttttaat aaaaccgggt tccaagaagt gtttgatcct 300
cctcattatg aactgttttc actaaggagc aaagagattt ctgcagacct 350
ggcagacttg tcggaagaat tggacaacta ccagaagatg cggcgctcct 400
ccaccgctc ccgctgcac caccgacc actgtgggtc gcaggcctcc 450
ag 452

<210> 339
<211> 354
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 27
<223> unknown base

<400> 339
aaataaagaa ccatgggtatc atgttgntca gtgcttcaga cagaaagatt 50
gttgaagcat caaggagagc ttttgttatg tggcaatgaa ctacgaagag 100
gaaatggcca agaaacccga ttgtctagag aaagtttacc aactacctga 150
tgggaagggtc atccagctcc atgaccagct cttttcttgt ccagaggccc 200
tcttctctcc gtgtcatatg aaccttgagg cccctggcat tgataagata 250
tgcttcagca gcataatgaa atgtgataca ggctgagga attccttctt 300
ttccaatatt atccttgccg ggggatcaac ctctttccct ggtttagaca 350
agct 354

<210> 340
<211> 547
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 20, 77, 101, 142, 151
<223> unknown base

<400> 340
tggcgggtcct aaaatcctgn cctgaccagg gtccggcggt tcagttggag 50
gaaaagtgtgta gccttgacagg tggcaantgg tccaggtacc ggtatttggc 100
nggcccgttt ttgcctcctc ctccgtgggt gcggcgaggaa tnttggccgg 150
ncggccttgg gacggcccag gtcccggccg caaggtccgg gccaatatcat 200
agtcattcagt agaaacttct tgaagttgtt caagaaaaat ttgaaagtag 250
caaaatagaa aataaagaat taacagcaga tacagaggca gcatgaagtg 300
ttgtcttagg aacagaaca cagcagtga aaaacagaca aaatccgctc 350
agatacaact gcagctgata atgttttccg gcttcaatgt ctttagagtt 400
gggatctctt ttgtcataat gtgcattttt tacatgccaa cagtaaactc 450
tttaccagaa ctgagtcctc agaaatatatt tagtacattg caaccaggaa 500
aagcctcttt agcttatttt tgtcaagctg attcccccaag aaatata 547

<210> 341
<211> 374
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 34, 42
<223> unknown base

<400> 341
ccgaatcaag ttcgagtcatt ccgtgtgggc attngtcccc cntggcacag 50
ttggcttctt tccagaagcc cgttttgttt gttttacgtc taaattcgcg 100
tcggttctta tttctctccc tggcaaggctc tgaagacggg taggagaata 150
acctgtgtca gcgtgttatg atgccgtccc gtaccaacct ggctactgga 200
atccccagta gtaaagtga atattcaagg ctctccagca cagacgatgg 250
ctacattgac cttcagttta agaaaacccc tcctaagatc ccttataagg 300
ccatcgcact tgccactgtg ctgtttttga ttggcgccctt tctcattatt 350
ataggctccc tcctgctgtc aggc 374

<210> 342
<211> 515
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 25
<223> unknown base

<400> 342

agttccggca	agggtgcatc	cggcntgtgt	gtggcgcaag	gcaaggaaac	50
cggtacccgg	gtcctggccc	cagcgtgac	gttttctctc	ccctttcttc	100
tctcttcgcg	ggttgcgggc	tcgcagacgc	tagtgtgagc	ccccatggca	150
gatacgaccc	cgaacggccc	ccaaggggcg	ggcgctgtgc	aattcatgat	200
gaccaataaa	ctggacacgg	caatgtggct	ttctcgcttg	ttcacagttt	250
actgctctgc	tctgtttggt	ctgcctcttc	ttgggttgca	tgaagcagca	300
agcctttacc	aacgtgcttt	gctggcaa	aatgctctac	gtgctctgag	350
gctgcatcaa	agattaccac	acttccagtt	aagcagagca	ttcctgtccc	400
aggctttggt	agaggacagc	tgccactacc	tgttgtattc	actcatcttt	450
gtaaattcct	atccagttac	aatgagtatc	ttcccagtct	tgttattctc	500
tttgcttcat	gctgc				515

<210> 343

<212> DNA

<220>

<222> 18, 46, 63, 68, 117, 139, 145, 164, 173, 179, 181, 246

<400> 343

<210> 344

<212> DNA

<400> 344

aaggagtggc aagatatgcc tgttgacgat gtcattggta ctttgagtgg 150
 cttctttaca atcattgtgg ggatattctt gttgcatgcc tttaaagacg 200
 tcagcttttag tctagcaagt ctgcctgtgt cttttcgaaa agacgagaaa 250
 gcaatgaatg gcaatctctc taatatgtat gaagttctta ataataatga 300
 agaaagctta acctgtggaa tcgaacaaca cactgg 336

<210> 345
 <211> 380
 <212> DNA
 <213> Homo Sapien

<400> 345
 ttaagtgcaa accatgcagt gcccaggat gataccatta gcaatgactc 50
 caatgatttc accgaagtag aaaatgggtca gataaatagc aagtttattt 100
 ctgatcgtga aagtagaaga agtctcacia acagccattt ggaaaaaag 150
 aagtgtgatg agtatattcc aggtacaacc tccttaggca tgtctgtttt 200
 taacctaaagc aacgccatta tgggcagtgg gattttggga ctgcctttg 250
 ccctggcaaa cactggaatc ctactttttc tgggtactttt gacttcagtg 300
 acattgctgt ctatatattc aataaacctc ctattgatct gttcaaaaga 350
 aacaggctgc atggtgtatg aaaagctggg 380

<210> 346
 <211> 364
 <212> DNA
 <213> Homo Sapien

<400> 346
 gcagcattca gagttactgg ctgtcatttt tcatgggtgat gattttattt 50
 gtagctttca taacctgttg ggaagaagtt actacttttg tacaggctat 100
 caggataact tcctatatga atgaaactat cttatatattt cttttttcat 150
 cccactccag ttatactgtg agatctaaaa aaatattctt atccaagctc 200
 attgtctgtt ttctcagtac ctgggtacca tttgtactac ttcaggtaat 250
 cattgtttta cttaaagttc agattccagc atatattgag atgaatattc 300
 cctgggttata ctttgtcaat agttttctca ttgctacagt gtattgggtt 350
 aattgtcaca agct 364

<210> 347
 <211> 752
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 40, 47, 73, 87, 235, 256
 <223> unknown base

<400> 347
 acaatggttg gtaaaataat tggggggggac ttttgggcn ttcaggntta 50
 atagtattaa gtctatgggc aantggagcc ttagganaat ttgggggggtt 100
 tttaatcttt ttcttggttg gcttagattt ttctccagaa aagttaagaa 150
 aggtgtgaag atttccttac aaggcccgtg ttacatgcca ctgttaatga 200
 ttgcatttg cttgctgtgg gggcatttct tgcgnatcaa acccacgcag 250
 agggtnttca tttccaaggt gtctgtcctt tgtcaagcac acccctcgtg 300
 tccaggttcc tcatgggcag tgctcggggg gacaaagaag gcgacattga 350
 ctacagcacc gtgctcctcg gcatgctggg gacgcaggac gtgcagctcg 400
 ggctcttcat ggccgtcatg ccgactctca tacaggcggg cgccagtga 450
 tcttctagca ttgtcgtgga agttctccga atcctgggtt tgattgggtca 500
 gattcttttt tcaactagcgg cggtttttct tttatgtctt gttataaaga 550
 agtatctcat tggaccctat tatcggaagc tgcacatgga aagcaagggg 600
 aacaaagaaa tcctgatctt gggaatatct gcctttatct tcttaatgtt 650
 aacggtcacg gagctgctgg acgtctccat ggagctgggc tgtttcctgg 700
 ctggagcgct cgtctcctct cagggccccg tggtcaccga ggagatcgcc 750
 ac 752

<210> 348
 <211> 342
 <212> DNA
 <213> Homo Sapien

<400> 348
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 tattaccgaa atgcggagac agaaagtcaa cagagaaaga attgttttcc 100
 ccaaggccac acagattgct ccaacacttg acttttcctg ctaggaactc 150
 aatccaagag atgggctttc ttttgttctc tgactataaa aggggtgtcac 200
 cttgtcacca tcttctatca cacaggaccc ctatgggctt ggtttggttt 250
 tgttctttca tcattattat ttggaaagtt atatttcctt tactgtcctt 300
 gaggtgtgag gcttcacctc atcttgtctc catatccctg ag 342

<210> 349
 <211> 608
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 19, 46, 101, 110, 132, 271
 <223> unknown base

<400> 349
 tggatcccat ggccagggng gcgtccaggt gcaaaccagt agaacncaag 50
 gcctgaacct ggggccagac accttgtttt ccccgcccat ggtcaagacc 100
 ntccagtaacn tgccttactg tgggcccaga antgggccaag gtcttggcag 150
 cccgtgcccgc aggttggtgt gcagtttggg gtgttcttct gcaccatcct 200
 ccttttgctc tgggtgtctg tcttcctcta tggctccttc tactattcct 250
 atatgccgac agtcagccac ntcagccctg gcatttctac tacaggaccg 300
 actgtgattc ctccaccacc tcaactctgct ccttccctgt tgccaatgtc 350
 tcgctgacta aggggtggacg tgatcgggtg ctgatgtatg gacagccgta 400
 tcgtgttacc ttagagcttg agctgccaga gtcccctgtg aatcaagatt 450
 tgggcatgtt cttggtcacc atttcctgct acaccagagg tggccgaatc 500
 atctccactt cttcgcgttc ggtgatgctg cattaccgct cagacctgct 550
 ccagatgctg gacacactgg tcttctctag cctcctgcta tttggctttg 600
 cagagcag 608

<210> 350
 <211> 590
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 38, 85, 87, 117, 189
 <223> unknown base

<400> 350
 aaatttgaaa ccataagtt accaagtcta tatcaggngc agtggctttg 50
 attaaagccc atttttaaaa cttaaaaact caacncntcc cagattataa 100
 tagaaaaaga aatggcntca gtttgatctc gttcagaatg cccagattg 150
 ttctgctttg gggcagctgt ttagttcaga gttatattna agagaattat 200
 tttctgagat aatcttaaac tagaatgttc aaaactaatt gataattgaa 250
 gtatcaagat acgtagaaca cctcagagat ttttcttcag gaacttccac 300
 aaactttgaa tccttgatc tttatttggg attcatacta ctagtagcaa 350
 aatacagggt ttttggtttg ttttggtttg ttttggttcc atagagtatc 400
 tcaaattgaa acttttctgc acaaagaata aaattaagga ttttataaac 450
 tcaaattggc acctactgaa ttaaaatata taaaatcatt taaatataat 500
 tcagcatatg ggaagtaaca ttgcactaat atggaaatca ctgccagaga 550
 cagtctatct tcttttaatt tggtactact tagtcacaaa 590

<210> 351
 <211> 517

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 20, 65, 78
<223> unknown base

<400> 351
tcagaaggga atgaaatccn cagcggacct ggcatacaaaa actttgggca 50
aagcaattga attgnaagca ataaaacnga ctttatcaag tcctaaatgt 100
acaagagaag aagagaaaat cacttgacaa tgaagttgaa aagacagcaa 150
atcttgtcat tagcaactgg aatcagcaaa ttaaggccaa gaagaaatta 200
atggtttagta ccaagaaaca tgaagcactt ttccagcttg tagaaagctc 250
caagcaatct atgactgaga aggagaagcg gaagctcctc aataaactga 300
caaaatcaac tgaaaagttg gaaaaggaag atgaaaatta ctaccaaaaa 350
aacatggcgg gttattctac cagactgaaa tgggaaaaca cactagagaa 400
ctgctaccag agcattctgg agctggagaa ggaaagaatt caacttttat 450
gcaataactt aaaccagtac agccaacata tttctctttt tggccaaacc 500
ctgaccacat gccacac 517

<210> 352
<211> 559
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 31, 59, 104, 126
<223> unknown base

<400> 352
tttaaagaaa tgggtaaata ctgagccttt ntgcaacctt ttttgggaagc 50
accagcccnc agaagattct gtgacttggtg tgcttttagg tgcaccctca 100
gacntctggc tcagtacacc tcgggntgat tgagactggt gcctcagtct 150
ctcatttggg ttgacattat tcattttaat gaatgaatac atttgtcgca 200
gaaagtggaa ttctctcatt gttgagagaa aattctcagc ttgagtcaag 250
aagtttccat atttaccaga accttctagc tttgatgagc ataactactg 300
ctaaaataat gtgtcttctg agcagctggg taccagtgcc tgtggcctgt 350
agcattagtt actgcctgag ggatgggtgac tgttaccgca gaatgggtggg 400
cttcgttgac ttgtcttctc tcctctccct cttaccact tcccggagaa 450
acaggacagc aggcacagcc agtaacaagc tgtggtacgc ctccctggcc 500
ctggtgacgc tcatcatgta ttccattgcc actggaggct tggttttgat 550

ggcagtgtt 559

<210> 353
<211> 609
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 48, 163
<223> unknown base

<400> 353
gtgggccaat gctgtccaaa ctacaggggg ttaatgtaaa gcttgtgnta 50
acatatgaaa agtatattaga aagagcttgg catgtagtaa ccaactcaata 100
aaagtttagct actattatga agtgttttcc aatggtttat ttagaagcaa 150
aatagtatca gntagaagt ccaggcttgt ttttctccca aacatgtttt 200
cacaagtgtc tccatgggtc ctttctcctt ttcttcttcc tcttcctcta 250
aaaacatatt ttgctgtgtc tgcttgggtc tctttcactg ggccagagaa 300
agaatccctg agggttggac aaggggagca gctgagttgg tgagaaaagg 350
agcccagcag gttgaatgcc tcgaaccact gtgatgagct cttgagctgg 400
gtgccaatca aagtgaagca gtggggcctg ccagggtgaga tgttaatttc 450
agcagtcaca cgtgtccctg tctggactct ccctaggact cttgacccta 500
ccctgcagtg gtttgaaatg gatatttatta ggctttcatt acattctcat 550
atcatttttt tcacttggtg tctaagctac acgagagcca gtgtagtgct 600
ttgtccttg 609

<210> 354
<211> 603
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 23, 27, 68, 74, 137
<223> unknown base

<400> 354
ccggtaaccc attgggcctg gcntaanaaa gtttttttaa gccattagac 50
gttttttaaag gaattggnag atgncaattg gggaaatatt taaaatttaa 100
gtaaaatata aagcttcctt atttcatgta acccagncaa tctcagtata 150
catgatcagt tgtgtctgac aggtaaatct atttgaggcc ttatcacacg 200
ttacttttaa gaactagaaa ggaaaagtca ctgatcttaa gtatttataa 250
tacttcatgt ggtctaatac tttttacgtt ttgttttgat tcagatttag 300
tccggattcc cggatatctg cagtaggttc tagtgagaac tcagtggatt 350

tttatgacct aacgctgggc cccactctta acagaatcag ctactgcaaa 400
 gacattccaa gctttgtcat tcaaattggac ttctctgcag atagcagtta 450
 tctccaggta cagtaccaat actgtatacc cagggtggcaa gttcttctgc 500
 ttttacattt cgtgttagtg aatgcattta aagttcctga gctccagagc 550
 tccagcttct caactcctcc ctttgtacct tctgacctac agctcctctt 600
 tcc 603

<210> 355
 <211> 633
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 79, 101, 115, 122, 135, 161, 192, 204, 252
 <223> unknown base

<400> 355
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 cccagttggt aaatttacag ttggttaant aaaagttttt cccagtagca 100
 ncagggcgta atcanagatc cntaagtgtt tagtncaggg catgtgcttt 150
 ttaaagtggg natggctatt tacagattgg cctacactgt tntgggtggga 200
 gccntcagt accaaggagc agaggtactt gaaacccacc cttgaagcca 250
 tntggatgct ccgttcattc aaatctgggg tgttctaacc caaagtaact 300
 ggccacagac tgcaatgtaa gatacaaatc ttcaggacct agtgtgtgca 350
 catgttggct cttatataag atggcatcct tagtacttgt tctatgtaga 400
 aaagaatttg tgggctcaca agtccctaca gagtctcaca ctctcatggc 450
 caataagtat acagggatac ccggaattag acaaacacag atgagacatt 500
 tatttctgta tatgaattta ttttatttat ttatttattt tttgggacag 550
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 gctccgcctc ccgggtttac accattctgc ctc 633

<210> 356
 <211> 569
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 41, 64, 83, 86, 115
 <223> unknown base

<400> 356
 ttaattagat aatttaaagt agcgtttttt tctacaatgt ntgaagaagt 50
 gacctacgag acantcacat ttcaggattc tgntgnagca aggaataccc 100

gagatggaaa	taacntaaga	aaaagagggc	atccagctcc	atctcccatt	150
tggcgtcatg	ctgctctggg	tctggtaact	ctttgcctga	tgttgctgat	200
tgggctggtg	acgttgggga	tgatgttttt	gcagatatct	aatgacatta	250
actcagattc	agagaaattg	agtcaacttc	agaaaaccat	ccaacagcag	300
caggataact	tatcccagca	actgggcaac	tccaacaact	tgtccatgga	350
ggaggaattt	ctcaagtcac	agatctccag	tctactgaag	aggcaggaac	400
aaatggccat	caaactgtgc	caagagctaa	tcattcatac	ttcagaccac	450
agatgtaatc	catgtcctaa	gatgtggcaa	tggtaccaa	atagttgcta	500
ctattttaca	acaaatgagg	agaaaacctg	ggctaacagt	agaaaggact	550
gcatagacaa	gaactccac	569			

```
<210> 357
<211> 565
<212> DNA
<213> Homo Sapien
```

```
<400> 357
caaaaanagt gcccgtceng ttgttgtaag tgaagggacg gcagtcagtt 50
gacctgacag tgtgcaggcg agcgcaggga gtacgccatg tcctgagaag 100
gggcgattct caggctntgg cagttacagc ttctcctcac cctgccgagc 150
aaccaggcca cggggctccg tgcacgcca cctagagtgt tacctnttc 200
cttgttcacg gaggttctcc gcagtgtgtg agaaagaggc cctctctcag 250
atgaatggat aaagaaaatg caggacatat ggggggagga gccaatatgg 300
ccgaatagga acagctccgg tctacagctc ccagtgtgag cgacacagaa 350
gacaggcaag aagaataaat gtctctgggtg gaacttttgc tctgggtggaa 400
ctgcttttct agaactgggtg ttgcagcatc cctggaagtg tcagagagcc 450
ctgggagtat ccagggtggcc cggggtcaga cagcagtcct gccctgcact 500
ttcactacca gcgctgcctt cattaacctc aatgtcattt ggatggtcac 550
tcctctctcc aatgc 565
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<220>  
<221> unsure  
<222> 138, 536  
<223> unknown base
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<400> 358
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 taattatact taattgttcc ttggtgattt caccctcgtg ggtttgtttc 100
 ccttgaactc cacactcatt acgttcagag cctttttnta cactacttga 150
 attattttta tttaggtata taaaatactg gtggcaatag cataaattct 200
 aagtgttaaa cttgatgaag taatattgta cacctatgta agcactgccc 250
 agactgatat acatttacag cctaaggagg cttctttgtg ctgctttgct 300
 attaatatte cattgcccag aaatagcccc tctcctaatt tccataacca 350
 gagataagct tacatgtttt tccgcttcat gtaaattggaa tcgtacgctg 400
 aacccttttt tgtgtctggt ttcttttgct caacattatt tcatgcaaca 450
 ataaggatgg ctctctcaga cataatatte atttttattt atgtagtggt 500
 ttatgggaat tgcactgagt tagagaaact gaagtntgaa ggaatagttt 550
 ccacaagact gccctcattt cagac 575

<210> 359
 <211> 553
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 60, 83, 87, 98, 104, 106, 170
 <223> unknown base

<400> 359
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 tgtgcaggcn agcgcaggag taccgccatg tcntaanaag ggcgattntc 100
 aggnntntggc agtacagttt ctctcacc cgcgagcaaa ccaggccacg 150
 gggctccgtg catcgccacn tagagtgtta ccctcttcct tgttcacgga 200
 gggttctccgc agtgtgtgag aaagaggccc tctctcagat gaatggataa 250
 agaaaatgca ggacatatgg ggggaggagc caagatggcc gaataggaac 300
 agctccggtc tacagctccc agtgtgagcg acacagaaga caggcaagaa 350
 gaataaatgt ctctgggtgga acttttgctc tgggtggaact gcttttctag 400
 aactgggtgtt gcagcatccc tggaagtgtc agagagccct gggagtatcc 450
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 gctgccctca ttaacctcaa tgtcatttgg atggtcactc ctctctccaa 550
 tgc 553

<210> 360
 <211> 502
 <212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 40, 57, 63, 68, 78, 84, 88, 138, 350

<223> unknown base

<400> 360

caaaatgtta agaacgtcca ctctaatact gtgggtggtn tgcattgccg 50
ggccccntgg ttntcttntg gcattttntg cttntgcntc atattcttgt 100
taggccaggt gggcttggtg caggacaccc ccagtgentg gattacgggc 150
cccctttcca gccccctttg caccttgagt ttgctctga ctatgagtcc 200
ttcggctgct gtgatcagca caaggaccgc cgcctcgtg cccggtactg 250
ggacatcatg gaatatattt atctgaagag acatgagctg tgtggagatt 300
acattaaaga catcctttgc caggagtgtc cgccctacgc agcccacctn 350
tacgacgccg aaaacaccca gacgcctctc cggaatctcc cgggcctctg 400
ctctgattac tgctctgcct tccattctaa ctgtcactca gccatttccc 450
tgctgaccaa tgaccgcggc ctccaggagt ctcatggaag ggacggtacc 500
cg 502

<210> 361

<211> 459

<212> DNA

<213> Homo Sapien

<400> 361

cccacgcgtc cggcttgaag actgacaaga tgtccctgtg gactcccaaa 50
ctctactcca gatggggagg tgcccttaac accaagattt taaaagctcc 100
aatttcagag caagagtcga aaactcacag ataaagttat agttatttca 150
gggttctgaa aagacgcaga acatgaaggg actcagaagt ctggcagcaa 200
caaccttggc tcttttctct gtgtttgttt tcctgggaaa ctccagctgc 250
gctccgcaga gactgttgga gagaaggaac tggactcctc aagctatgct 300
ctacctgaaa ggggcacagg gtcgccgctt catctccgac cagagccgga 350
gaaaggacct ctccgaccgg ccaactgccg aaagacgaag cccaaatccc 400
caactactaa ctattccgga ggcagcaacc atcttactgg cgtcccttca 450
gaaatcacc 459

<210> 362

<211> 442

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 23, 53, 59, 70, 357

<223> unknown base

<400> 362

aatcaccggt gtcgctgttc ctnaggtggt caaggtggac aggggcggtg 50
gtnatggcnc agtttgacan tgaataccag cgcctagagg cctcctatag 100
tgattcacc ccaggggagg aggacctgtt ggtgcacgtc gccgagggga 150
gcaagtcacc ttggcaccat attgaaaacc ttgacctctt cttctctcga 200
gtttataatc tgcaccagaa gaatggcttc acatgtatgc tcatcgggga 250
gatctttgag ctcatgcagt tcctctttgt ggttgccctc actaccttcc 300
tggtcagctg cgtggactat gacatcctat ttgccaacaa gatggtgaac 350
cacagtnttc accctactga acccgtcaag gtcactctgc cagacgcctt 400
tttgccctgct caagtctgta gtgccaggat tcaggaaaat gg 442

<210> 363

<211> 511

<212> DNA

<213> Homo Sapien

<400> 363

gtccgaacct gagcaaacac agcagcccga gtgttcccaa ggccaaaatg 50
ctgagaacgt ccactcctaa tctgtgtggt ggtctgcatt gccgggcccc 100
ctggctctct tctggcattc tctgcctctg cctcatattc ttgttaggcc 150
aggtgggctt gctgcaggga cccccccagt gcctggatta cgggccccct 200
ttccagcccc ctctgcacct tgagttttgc tctgactatg agtccttcgg 250
ctgctgtgat cagcacaagg accgccgcat cgctgcccggt tactgggaca 300
tcatggaata ttttgatctg aagagacatg agctgtgtgg agattacatt 350
aaagacatcc tttgccagga gtgctcgccc tacgcagccc acctctacga 400
cgccgaaaac acccagacgc ctctccggaa tctcccgggc ctctgctctg 450
attactgctc tgccttccat tctaactgtc actcagccat ttccctgctg 500
accaatgacc g 511

<210> 364

<211> 407

<212> DNA

<213> Homo Sapien

<400> 364

cccacgcgtc cgtgaacaca caaagagctt attttggttag gcaaatacac 50
attaataaga atgcctagaa gaggactgat tcttcacacc cggacccact 100
ggttgctgtt gggccttgct ttgctctgca gtttggtatt atttatgtac 150
ctcctggaat gtgcccccca gactgatgga aatgcatctc ttctggtgt 200
tgttggggaa aattatggta aagagtatta tcaagcctc ctacaggaac 250

aagaagaaca ttatcagacc agggcaacca gtctgaaacg ccaaattgcc 300
 caactaaaac aagaattaca agaaatgagt gagaagatgc ggtcactgca 350
 agaaagaagg aatgtagggg ctaatggcat aggctatcag agcaacaaag 400
 agcaagc 407

<210> 365
 <211> 552
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 42, 85, 93, 103, 129
 <223> unknown base

<400> 365
 tgggtggggc ctccaagatt agaatgttac tagggccaaa ancagtggga 50
 ttggtaaaag aggcaatgat acccccatga gagcnttcac atncagaacc 100
 agncagaact tcaaagggtt tgatgatanc aatgatgatt tcctgacaat 150
 ggcagaatgt caattcatta tcaaacatga acttgaaaat cttagagcta 200
 aagatgaaaa aatgatccct ggttaccctc aggcaaagtt gtatccagga 250
 aaatcattgt tgagaagatt gctcacgtct ggcatcgtga ttcaggtgtt 300
 tccactgcat gacagtgaag ccctgaagaa gcttgaggac acctggtaca 350
 ctcggtttgc tttgaagtat cagcccatag agaatcacag attggaatct 400
 gcctatcaga accatctaata tctgaaagtt ttagtggttca acttcctcaa 450
 ttgctttgcc tcaactcttct atattgcctt tgtcttgaaa gatatgaagc 500
 ttttgcgcca gagcttggcc actctcctaa ttacctcca gatcctcaac 550
 cg 552

<210> 366
 <211> 244
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 74, 199
 <223> unknown base

<400> 366
 atttgattaa attatgaatg agttttacaa attcctttca gagttttact 50
 aagatcacac aaataacagc tttnttattc agtgaaaaag atattttatt 100
 tctgatgttt tatttgcact cgtggaatat gttaccatta atcagaaaca 150
 tcatggcaac ccctaagaat agactaagtt tgtgttggct gagggattnt 200
 atttggtttg cttttttttt gctttgttat attttattgc taca 244

aagaagaaca ttatcagacc agggcaacca gtctgaaacg ccaaattgcc 300
 caactaaaac aagaattaca agaaatgagt gagaagatgc ggtcactgca 350
 agaaagaagg aatgtagggg ctaatggcat aggctatcag agcaacaaag 400
 agcaagc 407

<210> 365
 <211> 552
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 42, 85, 93, 103, 129
 <223> unknown base

<400> 365
 tgggtggggc ctccaagatt agaattgttac tagggccaaa ancagtggga 50
 ttggtaaaaag aggcaatgat acccccatga gagcnttcac atncagaacc 100
 agncagaact tcaaagggtt tgatgatanc aatgatgatt tcttgacaat 150
 ggcagaatgt caattcatta tcaaacatga acttgaaaat cttagagcta 200
 aagatgaaaa aatgatccct gggtaccctc aggcaaagtt gtatccagga 250
 aaatcattgt tgagaagatt gctcacgtct ggcatcgtga ttcagggtgtt 300
 tccactgcat gacagtgaag ccctgaagaa gcttgaggac acctggtaca 350
 ctcggtttgc tttgaagtat cagcccatag agaattcacag attggaatct 400
 gcctatcaga accatctaatt tctgaaagtt ttagtggttca acttcctcaa 450
 ttgcttttgc tcaactcttct atattgcctt tgtcttgaaa gatatgaagc 500
 ttttgcgcca gagcttggcc actctcctaa ttacctcca gatcctcaac 550
 cg 552

<210> 366
 <211> 244
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 74, 199
 <223> unknown base

<400> 366
 atttgattaa attatgaatg agttttacaa attcctttca gagttttact 50
 aagatcacac aaataacagc tttnttattc agtgaaaaag atattttatt 100
 tctgatgttt tatttgcact cgtggaatat gttaccatta atcagaaaca 150
 tcatggcaac ccctaagaat agactaagtt tgtgttggct gagggattnt 200
 atttggtttg cttttttttt gctttgttat attttattgc taca 244

<210> 367
<211> 448
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 100, 148, 251, 352
<223> unknown base

<400> 367
ggctacaact gctcaacatg ggaaaagaca ttccgggcag atcggctttt 50
gaaagcttaa agggagcttg atgctggcaa tgggatcaga gtgtttgacn 100
tgacatcggg atgttcattg ctagtctgac catctggctc ctctgtanaa 150
acattgttca gaaacctgtg acagacgaag cagcacagag taacccggag 200
tttgaaaatg aagaattggc tgaaggagaa aaaattgatt cagaagaggc 250
nctgatctat gaagaggatt tcaatggagg agatgggtgtt gaaggcgagt 300
tggaagaaag cacgaagtta aaaatgttcc gcaggcttgc ctctgtggcc 350
tntaagctca aggagtccat tggcaacatg atcaccactg ctgggaaagt 400
cgttgttacc atcttactgg gctcctcggg catgatgttg ccgtcttg 448

<210> 368
<211> 636
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 40, 57, 81, 133, 156, 158
<223> unknown base

<400> 368
ttaagccgga aaatcccctt gaaccagaa gcggaaggtn cagtcaccca 50
aaatggngcc cattgcattc cagcctcggg ncggagcaag actttgttta 100
aaaaaaaaat ttaaattagc cattaccctt agntaatttt taaatttttt 150
gtgaanana ggcctcactg tcttgcccag gctgggtctg aactccaggc 200
ttcaggtgat ccttctgect tgccctccaa agggcgggat tacaggtgtg 250
agccactgtg cccaactcat tactttttta aaaaattact ttccatttct 300
agtttatata tgacaggtac ttactttaag tagtaaatat tatgtttaac 350
aataaataaa aatgatcagg atttcccccg acatgctttc ctttcttctc 400
tttttcttcc tttctctctc attttatccc ttctcctgcc ctttttggaa 450
gtccttattg gaggaaaaaa taacttgccc tatttgtttc ctactaatt 500
gttatcagtc tcgggtatca aggcaagcag attcaaattg ctgtaatata 550
tacagtgcaa ttagattaga gtctactaag aatttaattg gagaatgttc 600

aaaatacttt tctaaagtta attttttttag tattca 636

<210> 369

<211> 458

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 34, 38, 57, 73, 118

<223> unknown base

<400> 369

tagaagggtcc gtcatggacc ccagatccat ttcntagnaa ggccgtcatg 50
acaccnnga tccatttcct agnagggccg tcatgacacc ccggatcctt 100
ttcccctcag aggggctngt catgactcag acacatctcc tcccagagga 150
tccgtcatga ctctcagac acttcacccc caaggagggc ccgtcatgat 200
tctccagatc cttctcccc aaggaggcct cagcataatt cttcagggtgc 250
atctcctagg agagtccgtc atgattcacc agatccctct cctcctaggc 300
gagcccgta tggttcctca gatatctctt ccccagaag ggtccataac 350
aactcccctg acacatctag gaggactctt ggctcttcag acacacagca 400
actcagaagg gcccgatg actcccctga tttggctcct aatgtcactt 450
attccctg 458

<210> 370

<211> 538

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 5, 20, 47, 88

<223> unknown base

<400> 370

cggangcgtg gccgaacgcn tggccaacc atatgccagg ttcaacncgg 50
ataaaagtta ggaaacgtaa ccagcttcat ttttttgnca gcagacttaa 100
agatctgaaa cttggaacta atatcaagga tttatgtgct gctctttgga 150
ttctgatgaa gaatccagtg ctcatatgcc tagctctgtc aaaagctaca 200
gaatatttag ttattattgg agcttctgaa tttttgccta tatatttaga 250
aatcagttt atattaacac cactgtggc aactacactt gcaggacttg 300
ttttaattcc aggaggtgca cttggccagc ttctgggagg tgtcattgtt 350
tccacattag aaatgtcttg taaagccctt atgagattta taatgggttac 400
atctgtgata tcaattatac tgcttgtgtt tattatTTTT gtacgctgta 450
atccagtgca atttgctggg atcaatgaag attatgatgg aacaggggaag 500

ttgggaaacc tcacggctcc ttgcaatgaa aaatgtag 538

<210> 371

<211> 692

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 51, 77, 87, 103, 119, 154, 158, 165, 183, 212, 329, 476

<223> unknown base

<400> 371

aataaaaaat ggcttaaaag aacatttccg aaccaaaagg aaccggttcc 50
ngccttaaca aagtgggaca ttggcctca aaggggncct catgggaaca 100
tcntgttttg cgggggcang cacaatgggc aagggttcc ctaaccgttt 150
gcanaagnag ttaancagca tgtgtcccaa tgnccccgc aggtaaacgt 200
gctgcctgaa anagccagtc cgtgtggacc ggggctccat cctggcctca 250
ttcagggttt ccaaccattg tgggtccacc gctttgagta cgaggaacac 300
gggcctttct tcctctacag aagggtgtnt gaacggcgac aactttggcg 350
tcgtgagatt cttgtgaggc gtctgcctgg aagccggcag caatttttgc 400
ttctttaaag agaaaaagaa ggctagggac tcagattcct ggattctgag 450
atccagacca gtcctccca gacctntcca gaagaagcca tgggaacccc 500
tcgtatccag catttgctga tcctcctggc cctaggagcc tcctcctga 550
cctcgggcct agagctgtat tgtcaaaagg gtctgtccat gactgtggaa 600
gcagatccag ccaatatgtt taactggacc acagaggaag tggagacttg 650
tgacaaaggg gcactttgcc aggaaccat actaataatt aa 692

<210> 372

<211> 399

<212> DNA

<213> Homo Sapien

<400> 372

gtgcgcataa agaggaggcg cttgccttca gcttgtggga aatcccgaag 50
atggccaaag caactcaact gtctgttgc tccagggcct gctgattttt 100
ggaaatgtga ttattggttg ttgcggcatt gccctgactg cggagtgcac 150
cttcttttga tctgaccaac acagcctcta cccactgctt gaagccaccg 200
acaacgatga catctatggg gctgcctgga tcggcatatt tgtgggcatc 250
tgctcttctt gctgtctgt tctaggcatt gtaggcacat tgaagtccag 300
caggaaaatt cttctggcgt atttcattct gatgtttata gtatatgcct 350
ttgaagtggc atcttgcctc acagcagcaa cacaacgaga cttttttcac 399

<210> 373
<211> 567
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 53, 78, 122, 286, 419, 449
<223> unknown base

<400> 373
tttaaggatg ttgccatgna ccatgttttt tcaaatttgc ttttcatttg 50
ggnccgtttt ggagtctttg accgctanga tggttttcgt cgtctgggaa 100
cttgatcaga ctttgaagat tntaaatttg gaagatcagg gtgcactttt 150
gagtgatgat gaaatatttg tagccgccaa attgggaaac atacctgcat 200
ggccttgcg c aaatactttg aggcacacct ggccattaaa ttggaacaag 250
tgaagcagtc acttcagagg actgaggggtg gcattnttgt ccaccacaa 300
ccccgtaca aggcattgctc atatactcat gaacagattg tggaaatgat 350
ggaatttttg atagaatatg gccagcgca gctatattgg gaaccagctg 400
aagttttcct caaactttnt tgtgtgcaac tcttggtgca gcttatttnt 450
attgcctgca attggaagac ctattatgca aggaatgaca ctgtgcgctt 500
tgctttggat gtcttggtta ttcttactgt ggtgccccaa atccagctcc 550
agttggcaga atcagtg 567

<210> 374
<211> 299
<212> DNA
<213> Homo Sapien

<400> 374
aaatttttta aaaaaactcc ttaataggcc cttttttttt ttaacctgaa 50
agttgactac ctacctttca ggaaatatat attttttggg tttagctagg 100
ttgactttct tctagaaatg gaaaagatgg caccctcggc accaaagtgc 150
tgggactctg cactatgctt gtgtgtatgt gtgtgcctct gtcttgctct 200
cttatctccc agcagtgaga cattggacgt gtttgctcat gaagatgcag 250
tatatggctt gtctgtgagc ccagtgaatg acaacatttt tgccagttc 299

<210> 375
<211> 556
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 53, 55, 66, 111, 156, 188, 295, 517, 552
<223> unknown base

<400> 375

tttttttggg aggaggaatg tncattcagg gagtagcttt ttgggaaaaa 50
 ttntntaggg ctacacacag tcatgggtga ctttctttct gctgtgaaaa 100
 ctcccagagt ntcttttaggg attttcccta aggtgaccac caggcacacc 150
 tcagtnnttt tgacccagag cctgaaaact gttttcantg ggttccacca 200
 gtcccagcaa aatcctcttt gtatttatatt tgctaagtta ttgggggttt 250
 gcttacatct catgattgat ataataccaa agttctatag ccttntcttg 300
 cagtatttgg atttgcttga aaccgggaaa actggtccca ttaggcttgt 350
 taatgtcaga gtgacactat tatgaatctt tctctccctt tcctcggcct 400
 gtttcttctc tctttctcct tcaaacttgc tctgcagcta aggaagggtga 450
 gtctactttc cctgaggctt tgggggtcaga gtatatgttg tttggagaaa 500
 gagggcaatc aggactnttc tgggaccag atgagttctt cactagccct 550
 tntgaa 556

<210> 376
 <211> 499
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22, 38, 68, 191, 193, 196
 <223> unknown base

<400> 376
 aaatgttacc ctatcctcgg anaagggttt gaatcccnct gatgtgtgtg 50
 gatccatttt ggtggtgnca atgattctct cgtcctatatt tattaacttc 100
 atctaccttg caagagcaca aaaaaacat gctaacttta actttggatg 150
 tgcaattaca ttctccttg ttgcaggac attttttcca nanagntcca 200
 atcctgggta atccgaagcc aaagagagtg tttcttcagc atatgactag 250
 aacattccat gacttgaag gaaatgcagt taaacgggac tctggaatat 300
 ggatcaatgg gtttgattat actggaattt ctcacataac cctcacatt 350
 cctgagatca atgatagtat ccgagctcac tgtgaggaga atgcacctct 400
 ttgtgggttt ccttggtatc ttccagtgc ctttctgatc aggaaaaact 450
 ggtatcttcc tgccccagaa gtttctccaa gaaatcctcc tcatttccg 499

<210> 377
 <211> 612
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 61, 63, 173, 419, 475
 <223> unknown base

<400> 377
 tttgactggg tgtaagaata tgctgttcca gcagaccaag gatggcattg 50
 ggaaatctgc ntntggggta ggcacatctt catgggctat ttggaaagtg 100
 agacttgaaa ctacagagggc catcgatgat gaaggctggg tacactctgg 150
 ggatttgggc cagctggacg gnttgggttt cctctatgtc accggccaca 200
 tcaaagaaat ccttatcact gctgggtggg aaaatgtgcc ccccatcctt 250
 gttgagacct tgggtaagaa gaagatcccc atcattagta acgcatgtt 300
 agtaggagat aaactgaagt ttctgagcat gttgctgacg ctgaagtgtg 350
 agatgaatca gatgagcggg gaacctctgg acaagctgaa ctctgaggcc 400
 atcaacttct gtcgggggnt gggcagccag gcatccaccg tgactgagat 450
 tgtgaagcag caagaccccc tgggntacaa ggccatccag caaggcatca 500
 atgctgtgaa ccaggaagcc atgaacaatg cacagaggat tgaaaagtgg 550
 gtcactcttg agaaggactt ttccatctat ggtggagagc taggtccaat 600
 gatgaaactt aa 612

<210> 378
 <211> 282
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 194
 <223> unknown base

<400> 378
 gtggaggaag aagacattat acaaaacaaa tttagaaact gggatcatga 50
 gtggaaaaac aaaggcaaga agggctgcca tgttttttag acgttgctct 100
 gaagacgcca gcggtagcgc cagtggcaat gctttgttat cagaggacga 150
 aaatcctgat gcgaatgggg taactcgatc atggaagatt attntaagta 200
 caatgcttac actgactttt cttctttag gactcctaaa tcatcagtgg 250
 cttaaagaaa cagatgttcc tcagaaatcc ag 282

<210> 379
 <211> 680
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 24, 35, 71, 77, 173
 <223> unknown base

<400> 379
 agccaaaatc cttggccaaa tttngcattt ccaantccgg aggccaagaa 50

aggaagaaag	ttccccaggt	ngaaaancaa	acttggattt	tcagcaatat	100
ggatttatta	atcaaattgtg	gttaccattt	gggcccttcc	gggggatttt	150
aagtactttt	ccatacctag	ctnttatata	tactattatt	ctcatggcag	200
tagcaacttt	tggttcaa	atcccaaaac	atgctcaaaa	gtagaacatt	250
ttgtttcaat	attaggaaag	tgctttgaat	ccccttggac	gacaaaagcg	300
ttgtctgaga	cagcatgcga	agactcagag	gaaaacaagc	agagaataac	350
aggtgcccag	actctaccaa	agcatgtttc	taccagcagt	gatgaaggga	400
gccccagtgc	cagtacacca	atgatcaata	aaactggctt	taaattttca	450
gctgagaagc	ctgtgattga	agttcccagc	atgacaatcc	tggataaaaa	500
ggatggagag	caggccaaag	ccctgtttga	gaaagtgagg	aagttccgtg	550
cccatgtgga	agatagtgac	ttgatctata	aactctatgt	ggtccaaaca	600
gttatcaaaa	cagccaagtt	cattttttatt	ctctgctata	cagcgaactt	650
tgtcaacgca	atcagctttg	aacacgtctg			680

<210> 380

<212> DNA

<220>

<222> 25, 55, 96, 146, 162

<400> 380

ttgtnttacc caaagaccaa tttttgacat atcttgaata ggatgnctat 100

aaattatgac ttttaaattg ttgtaatttt tgtactatta tctganattt 150

ttatttttat gnattttcgt aagtagttta gagatagtca cattttaaaa 200

atctaagatc aagcaaatga agcttatttt tatgtattca tagtataaaa 250

gccttcagta aataggtaat atttttgttt tattctagaa aacagctcct 300

tgaacacagt gagctggctt ttcacacatt gcagttgtta gtgtttactg 350

cccttgccat ttttaattatg aggctaaaga tgtttttgac accgcacatg 400

tgtgttatgg cttccttgat atgctctcga cagctctttg gctggctttt 450

tgcagaggtt cgttttgaga aggttatctt tggcatttta acagtgatgt 500

caatacaagg ttatgcaaac ctccgtaatc aatggagcat aataggagaa 550

tttaataatt tgcctcagga agaactttta cagtggatca aatacagtac 600

cacatcagat gctgtctttg caggtgccat gcctacaatg gcaagcatca 650

agctgtctac 660

<210> 381
<211> 652
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 35, 118, 136, 183, 281, 349
<223> unknown base

<400> 381
gaataagttg ggatttttna gcaaggattc caatntgatt cttaaaaaag 50
gagttagcca taaagccagt ggttttaatt agattcagat ttgattttta 100
aattttacgg gtttcagntt cagggaatgc taccncaaa atgagatttc 150
attactatat accagtgaag tttctactct canattttct gtaatgtcat 200
ttttcatagt taggttttag aaagtatcta atcagggttg gatgggtcaa 250
taaaggggtc aaacacattt ctattttctg nttcaataaa tattttttat 300
attgcttatt cttatctatc ttacctaatt ttcttcctat ctttttcgnt 350
aactttcttt ttttttattt tcttctaatt aagattctgc tttcttcac 400
taaacctgtc ccaaaaacct atgtaccaa acttggcaag ggtgatgtaa 450
aggataagtt tgaagccatg cagagagcca gggaagaaag aaatcaaagg 500
agatctagag acgaaaaaca aagaagaaaa gaacaatata ttagagagag 550
agaatggaac aggagaaagc aggagggtat tttattttac tttattctcg 600
tgaaaatatt tgtttgcatt ttttcattta aattgtattt attcacatta 650
ac 652

<210> 382
<211> 397
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 345
<223> unknown base

<400> 382
gtccatggag ctggtggtca aggtggacag gggcgggtgg gatggcgcag 50
tttgacactg aataccagcg cctagaggcc tcctatagtg attcaccccc 100
aggggaggag gacctgttgg tgcacgtcgc cgaggggagc aagtcacctt 150
ggcaccatat tgaaaacctt gacctcttct tctctcgagt ttataatctg 200
caccagaaga atggcttcac atgtatgctc atcggggaga tctttgagct 250
catgcagttc ctctttgtgg ttgccttcac taccttcctg gtcagctgcg 300
tggaactatga catcctattt gccacaaga tggatgaacca cagtnttcac 350

cctactgaac ccgtcaaggt cactctgcca gacgcctttt tgcctgc 397

<210> 383

<211> 573

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 38, 85, 121, 432

<223> unknown base

<400> 383

ggatgggaag gatcgattaa aggattggct tttggaanac ttactggtgg 50
gaataagggtt ggccttgtgc aaagtcccca aggcntgaca ttagtttgct 100
ggcaaggcaa ttgattcctc ntttcaacat cgcttatgca gctttctggt 150
cttcggtaat ctatgaattt ttggatcgtg tcatcaaag tccattgggt 200
ccttcttcct ggtgagtgtc ctgctgatca acgttctgaa agtgagccca 250
ttcaacaacg gtcaactggt catgggatct ttcgtcaaga atgagttttc 300
ggccccctcc taccttatgg gctataataa atccttgagt gtggtggcaa 350
ccacaacttt tctgactggg attattcagc taataatggg cgtattgggt 400
ttgggcttca ttgccactta ccttccggag tntgcaatga gtgcttacct 450
ggctgctgtg gcacttcata tcatgctgtc ccagctgact ttcattcttg 500
ggattatgat tagtttccat gccgggtcca tctccttctt ctatgacata 550
attaattact gtgtagctct ccc 573

<210> 384

<211> 561

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 21, 40, 73, 120, 487

<223> unknown base

<400> 384

tgtttatgtc acctaccttc nccttttttaa gttttgtccn agcaaactt 50
gcagaatttt agatgaacat ggnaaaaatg ttacaatctg tgggcctgac 100
tttgggtcaag acctgtacan agatgaaaac ttgggtgacta tactggggac 150
cagcttctta atcggatgta tcttgtattc atgtttgaca tcaacaacaa 200
gatcgagttc tgacgctctg caggggcat acgcagctcc tgaattggag 250
atagctcgct gttgtttttg cttcagtcct ggtggagagg aactgaaga 300
gcagcagccg gggaaggagg gaccacgggt catttatgac gagaagaaag 350
gcaccgtcta catctactcc tacttccact tcgtgttctt cctagcttcc 400

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ctgtatgtga tgatgaccgt caccaactgg ttcaactacg aaagtgccaa 450
catcgagagc ttcttcagcg ggagctgggc catcttntgg gtcaagatgg 500
cctcctgctg gatatgcgtg ctggtgtacc tgtgtacgct ggctcgtccc 550
ctctgctgcc c 561

<210> 385
<211> 562
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 18, 77
<223> unknown base

<400> 385
aacagggggg ccgcttgntc cagaaatggt tcccctgggg aaagtggcat 50
cacttaatga cattcagcca acttacngaa tcctgaaacc atgggtggaat 100
gtgttttatgg attacctagc tgttggtatg ttaatggtag ccatctttgc 150
aggaaccatg caactttacc aaagatcagg tgggtctgttt gccagtattg 200
ccatctcctg taaattcaaa ggcacataca ccaccaggaa atgccgaggt 250
caccaccaac atcccaaaga tggaagcagc caccaaccaa gaccaagatg 300
ggcggacaac aaacgacatt tcctttggga catctgctgt gacacctgac 350
atacctctca gagccacata tcctcgcaca gatttcgcac ttccaaatca 400
ggaggcaaag aaagagaaga aagatccaac aggtcgaaaa acaaacttgg 450
attttcagca atatgtatgtt attaatacaa tgtgtttacca tctggccctt 500
ccgtgggtatt ctaagtactt tccataccta gctcttatac atactattat 550
tctcatgggc ag 562

<210> 386
<211> 265
<212> DNA
<213> Homo Sapien

<400> 386
atcaagttgg tgaagaaaga acctatgaaa tctgtacaaa agattggggc 50
tttgttcttc ctgttaagtg gtgtactggg gatgaccgga agcatggcct 100
tgattgtttt ggattgggta cacaatgcac ctggagggtg ccattaattg 150
gcaccactca aactcaaact cagtccatct gatgccagtg ttgagtaaac 200
tcaactacta tgaaatttca cctaagtgtt tcagtttcac ttctttttga 250
agtgcagatt cctcg 265

<210> 387
<211> 457

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 33, 50, 75, 92, 124, 173, 177, 218, 223, 235, 247, 285, 290,
325, 437
<223> unknown base

<400> 387
tggatttaat ggggggaaag ggcggaaaan ggncaaggat ccaaactggn 50
gaatttggtg attttcgggt ccctntccgc tttccggccg gncagcgctg 100
ccaagggtat atttcctttt ttengatcct gcaacaagcc tctttaaact 150
gtttaaatga gaatgtcctt ggntcanaga gtactactca cctggccttt 200
cacactactc ttcttganca tgntggtggt gaaanggatg agaaagncct 250
tggactgggt cctcatattc attccagttg gaaanttgan actatccttc 300
ttgtcctgct gattgtgaaa atggntgggc ggtgtaagtc tggctttgac 350
cctcgacatg gatcacacaa tattaaaaaa aaagcctggg acctcattgc 400
aatgttactt aaattagcct ttgcctcgc actctgnggt aaactggaac 450
agttttac 457

<210> 388
<211> 617
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 55, 80, 88, 107, 161, 181, 198, 203, 219, 233, 259, 272
<223> unknown base

<400> 388
gttaggtgat ccaggttttg ggggtttttgc aacccttggg gtcattgggc 50
ccttnaaatt aatcttcggg gggggtcctn gccatggnca gccaaacatt 100
tttgggnaca taccatttgg ttctgtaatc ggggcgtttt cagtttcctg 150
tgtaaagggc ntgggcattg ctatcaagga nctgtttgca gggaagcntg 200
tgntgcggca tcccctggnt tggattctgc tgntgagcct catcgtctgt 250
gtgagcacnc agattaatta cntaaatagg gccctggata tattcaacac 300
ttccattgtg actccaatat attatgattc ttacaacat cagttttaac 350
ttgttcagct attcttttta aggagtggca agatatgcct gttgacgatg 400
tcattgggtac ttgagtggc ttctttacaa tcattgtggg gatattcttg 450
ttgcatgcct ttaaagacgt cagctttagt ctagcaagtc tgccgtgtgc 500
ttttcgaaaa gacgagaaag caatgaatgg caatctctct aatatgtatg 550
aagttcttaa taataatgaa gaaagcttaa cctgtggaat cgaacaacac 600

actggtgaaa atgtctc 617

<210> 389

<211> 365

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 20, 44, 50, 96, 107, 180, 185, 211, 289

<223> unknown base

<400> 389

aaaaaaaaaa aaaaagaatn tgactatata ccatggaaaa gccnccactn 50
tgccacttaa ataaacatca ggatcagaga ttccaagagg acaatntgca 100
tcaagtnttc accaagtgtt ttttaagcga aataatgaaa tagggagcag 150
aatatgcctg ttgcccataa aaacgaggtt tattnttgtc ctcaattagg 200
cttttttttt nttcatagtt acaccagaac taaagtaaaa gtgggtttttc 250
tggttctttct acttctcccc atgaaatggg catatcatnt caacacttca 300
ctccaagtcg ccacgggcaa ccttatgacc ctaggtcctc caccctaata 350
gtatcatcat tgcca 365

<210> 390

<211> 442

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 209, 233

<223> unknown base

<400> 390

agggcgccca tttcgagccc aagtttccag ttccgggtttc cgggctcaga 50
attttccagg agtgggttct tgggcagtgg ctgtggagca ggaatggcgc 100
agtagagggt tactgtttct cggccgcctt gagctgtacc tttttagtgt 150
cctgcctcct tttctccgcc ttcagccggg cgctgcgaga gccctacatg 200
gacgagatnt tccacctgcc tcaggcgcag cgntactgtg agggccattt 250
ctccctttcc cagtgggata ccatgattac tacattacct ggcttgtacc 300
tggtgtcagt tggagtggtc aaacctgcca tttggatctt tggatggctt 350
gaacatgttg tctgctccat tgggatgctc agatttgta atcttctctt 400
cagtgttggc aacttctatt tactatatatt gcttttccac aa 442

<210> 391

<211> 587

<212> DNA

<213> Homo Sapien

<220>
<221> unsure
<222> 74, 103, 117
<223> unknown base

<400> 391
ccagtttttc atggacatag aaaattccaa aagaataata atattgaatt 50
taaatttggg ggggttaaaa aaanaaaact taactttata aaattattta 100
ttntatttta agccttntat catattttcc ccatccaatt gtttggtttc 150
agtgggccag cttttattta caggcatata aaagaaattg tgagatgttt 200
tgcaagcttt tttttacttt gagagctttt aatttgtatg tttttatgtg 250
gatgaagagc attttttatg tttttgtgca ataggttcca atatgcattt 300
attagacatc tgtttaaatg gtaatgtagc atttattttg ctaaattgaa 350
agggaaacata gatggaattc caaaatatgt acattcagct gtttggtttt 400
tcgtttttca ttgttattat tgtgagaatg ctgttattgg ggttgtgtgt 450
gagtgcccggt cagccagtga tgcctcgggc cacgctgtgg ggccacctca 500
gtcctgctgg gtcctgggtgc cttggacccc acgtgcttgt ggccaggctg 550
cccctgggcg gggccatgtg gcctcagacc acaagag 587

<210> 392
<211> 444
<212> DNA
<213> Homo Sapien

<400> 392
cgtctccagt ctacctccga gagattagct gaaacacaga atatagcgcc 50
atcattcgtg aaggggtttc ttttgcgga cagaggatca gatgttgaga 100
gtttggacaa actcatgaaa accaaaaata tacctgaagc tcaccaagat 150
gcatttaaaa ctggttttgc ggaagggttt ctgaaagctc aagcactcac 200
acaaaaaacc aatgattccc taaggcgaac ccgtctgatt ctcttcgttc 250
tgctgctatt cggcatttat ggacttctaa aaaaccatt tttatctgtc 300
cgcttccgga caacaacagg gcttgattct gcagtagatc ctgtccagat 350
gaaaaatgtc acctttgaac atgttaaagg ggtggaggaa gctaaacaag 400
aattacagga agttgttgaa ttcttgaaaa atcccgaacc cctt 444

<210> 393
<211> 284
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 95, 109, 186, 244
<223> unknown base

<400> 393
 ggtcaagttc agtagtggtc tcaataagtg tgttaaactt gctttgggtg 50
 attgcaatca gcatgggatt tggccatttc tatggcccaa ttcanattca 100
 gaagcgtcna cagttagtca gaaagataca tgaagatgaa ttgaatgata 150
 tgaaggatta tctttcccag tgtcaacagg aacaanaatc ttttatagat 200
 tataagtcac tgaaagaaaa tcttgcaagg tgttggacac ctantgaagc 250
 agagaagatg tcctttgaaa ctcaggaacc cctt 284

<210> 394
 <211> 481
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 47, 94, 130, 192
 <223> unknown base

<400> 394
 gcagtgggtg atcataggca ctaaccctca aactcctgaa gttcaanaga 50
 ttgtcccatg tcagcctccc aagtagctgg gactatagac agnggccatc 100
 atgcccagct aattatTTTT ttaattttan agaagagtct tgctaggttc 150
 cccaggctgg tctcgaactc ctgacctcaa ataactctcc cncctcaac 200
 ctctgaagta gctgcaatga cagggtgcaag cccactgtgt ttggctagag 250
 tctcatgttt ttctaattcc aaaaaagttc cataatgatt ttgattcaga 300
 ttgtattgag ttacacatt aatttaagaa gtgacatctt cataatacta 350
 actttcccca aaaagaaaca gggatatgtt ttccatttat atgagtgggg 400
 ttttttttgt tttgttttta cgttttgtag ttttcttcat ataggttttg 450
 ccagaggttc ccaaactttc ttggttcatg g 481

<210> 395
 <211> 508
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22, 69, 473
 <223> unknown base

<400> 395
 agcatgggaa aggtaggaa cnaaggaaag gggccccccg agcgcaaggt 50
 gtcggtgccc accttcagnt ggaggagatt caaaagcata acctgcgcac 100
 cgacagggtg ctggtcattg accgcaaggt ttacaacatc accaaatggg 150
 ccatccagca cccggggggc cagcgggtca tcgggcacta cgctggagaa 200
 gatgcaacgg atgccttccg cgccttcac cctgacctgg aattcgtggg 250

caagttcttg aaaccctgc tgattggtga actggccccg gaggagccca 300
gccaggacca cggcaagaac tcaaagatca ctgaggactt ccgggccctg 350
aggaagacgg ctgaggacat gaacctgttc aagaccaacc acgtgttctt 400
cctcctcctc ctggcccaca tcatcgccct ggagagcatt gcatggttca 450
ctgtctttta ctttggcaat ggntggatc ctaccctcat cacggccttt 500
gtccttgc 508

<210> 396
<211> 519
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 38, 50, 74, 160
<223> unknown base

<400> 396
aatggtacaa cagtccctta atggttgccn caatggcntg aaatccaagn 50
attacagact tttgtgataa ggtnaagctt ggggcatcgt cctagaaacg 100
gtggccacaa gtgggggttg gacctcggtg gccttcatgc tcaactctccc 150
gatcctcgtg tgcaagggtgc aggactccaa caggcgaaaa atgctgccta 200
ctcagtttct cttcctcctg ggtgtgttg gcattcttgg cctcaccttc 250
gccttcatca tcggactgga cgggagcaca gggcccacac gcttcttcct 300
ctttgggata ctcttttcca tctgcttctc ctgcctgctg gctcatgctg 350
tcagtctgac caagctcgtc cgggggagga agccccttcc cctgttggtg 400
attctgggtc tggccgtggg cttcagccta gtccaggatg ttatcgctat 450
tgaatatatt gtcctgacca tgaataggac caacgtcaat gtcttttctg 500
agctttccgc tcctcgctg 519

<210> 397
<211> 526
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 24, 96
<223> unknown base

<400> 397
gacctcgacc ccagggtccg gttntacttt gtcctgcctg ctgctggggg 50
ccctgggtct atgtgcatcc tcttcactat ctactggatg cagtantggg 100
gtggggcctt gcctggaatg gcagcattta catgttcaac tggcaccag 150
tgcttatggg tgctggcatg gtgggtattct atggagggtgc gtcactgggtg 200

taccgcctgc cccagtcgtg ggtggggccc aaactgccct ggaaactcct 250
ccatgcagcg ctgcacctga tggccttcgt cctcactgtt gtggggctgg 300
ttgctgtctt tacgtttcac aaccatggaa ggactgcaa cctctactcc 350
cttcacagct ggctgggcat caccactgtc ttctcttcg cctgccagt 400
gttcctgggc tttgctgtct tcctcctgcc ctgggcgtcc atgtggctgc 450
gcagcctcct aaaacctatc cacgtctttt ttggagccgc catcctctct 500
ctgtccatcg catccgtcat ttcggg 526

<210> 398
<211> 773
<212> DNA
<213> Homo Sapien

<400> 398
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ccaggcacca aggacagga gtcccaggcg cacaccccc attctgggtc 100
ccccaggccc agacccccac tctgccacag gttgcatctt gacctgggtc 150
tcctgcagaa gtggcccctg tggctctgct ctgagactcg tccttgggcg 200
cccctgcagc ccctttctat gactccatct ggatttggct ggctgtgggg 250
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tggccaccat ggcaaagtct gagatctgag gggacaaggc tctacagcct 350
cagccagggg cactcagctg ttgcaggggtg tgatggagaa caaactatgt 400
acctacacac cgtcagcgac tgtgacacca gctccatctg tgaggattcc 450
tttgatggca ggagcctgtc caagctgaac ctgtgtgagg atgggtccatg 500
tcacaaacgg cgggcaagca tctgctgtac ccagctgggg tcctgtcgg 550
ccctgaagca tgctgtcctg gggctctacc tgctgggtctt cctgattctt 600
gtgggcatct tcatcttagc agtgtccagg ccgcgcagct ccctgacga 650
cctgaaggcc ctgactcgca atgtgaaccg gctgaatgag agcttccggg 700
acttgcagct gcggctgctg caggctccgc tgcaagcgga cctgacggag 750
caggtgtgga aggtgcagga cgc 773

<210> 399
<211> 546
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 20, 74, 80, 159
<223> unknown base

<400> 399

atcctggact tgacccaggn gtccgttgat tggaaaccggt ggtcggcaaa 50
acaagtccgc tgggcagcag gagnagcagn aggattatta aataacgcag 100
ttggactctg gcaactggga gtgaagagga gcccaacagc cgagaaggga 150
aggaggcana ggagggggac cagaaggaca ccccggtgcc ccgaagacat 200
aatccctga gtgcccggga ggagccttaa caagcgcacg gagccctcaa 250
ggtgcaaagt tggctttcac agtgcaagcc tttgattccc aatgggggac 300
tcaggatcaa gacgatctac cctggtctcc cggttgcaa tattcagaag 350
aagtattaac agaagacatg attctcttcc ttcttcacct tcttccagta 400
atacagttgg tgtccacagt tcctctcctt ccagcactaa ctcaagctca 450
ggtagcacag gtaaaccggag gagcatattc cgtactcctt ccattagctt 500
ccaccataag aaggggagtg agcctaagca agagcctacc aaccag 546

<210> 400
<211> 562
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 22, 26
<223> unknown base

<400> 400
ggcttccttc gcgccccacc gncctnttcc ggaaggcggc tccctccctg 50
cgcagccccg agcccttgag atcagcctcg agcagggcgc cgagcgagac 100
tatccctaaa cgggaacggc ggtggccgac tcgcgagtga ggaaaagaag 150
gaaagggcag actggtcgcg aagagaagat ccaggcctca gaggaggaga 200
aaggccggag ccagccgagc tgtcacgacc ggagggggga ctgcgagcct 250
taccaggggg gtgatgtttt acaggcactt aagtattcat cgaagagtca 300
ccccagtagc ggtgatcaca gacatgaaaa gatgcgagac gccggagatc 350
cttcaccacc aaataaaaatg ttgcggagat ctgatagtcc tgaaaacaaa 400
tacagtgaca gcacagggtca cagtaaggcc aaaaatgtgc atactcacag 450
agttagagag agggatgggtg ggaccagtta ctctccacaa gaaaattcac 500
acaaccacag tgctcttcat agttcaaatt cacattcttc taatccaagc 550
aataacccaa gc 562

<210> 401
<211> 536
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 21, 99, 114
<223> unknown base

<400> 401
taacaaccac agaaactgga ntagtgggtcc tacagtagct gcagctgata 50
ccactgaaac taatttccct gaaactgcta gcaccacagc aaatacacnt 100
tctttcccaa cagntacttc acctgctccc cccataatta gacacatagt 150
tcctccacaa ttctacacc tgctcccccc ataattagta cacatagttc 200
ctccacaatt cctataccta ctgctgcaga cagtgagtca accacaaatg 250
taaattcatt agctacctct gacataatca ccgcttcac tccaaatgat 300
ggattaatca caatgggttcc ttctgaaaca caaagtaaca atgaaatgtc 350
ccccaccaca gaagacaatc aatcatcagg gcctcccact ggcaccgctt 400
tattggagac cagcacccta aacagcacag gtcccagcaa tccttgccaa 450
gatgatccct gtgcagataa ttcgttatgt gttaagctgc ataatacaag 500
tttttgctg tgtttagaag ggtattacta caactc 536

<210> 402
<211> 470
<212> DNA
<213> Homo Sapien

<400> 402
ccacagtatg gaagaatata cctgacttct agccctgtgc gccttctttt 50
gtttctgctg ttgctactaa tagccttgga gatcatgggt ggtggtcact 100
ctctttgctt caacttcact ataaaatcat tgtccagacc tggacagccc 150
tggtgtgaag cgcagggtctt cttgaataaa aatcttttcc ttcagtacaa 200
cagtgacaac aacatgggtca aacctctggg cctcctgggg aagaaggtaa 250
atgccaccag cacttgggga gaattgaccc aaacgctggg agaagtgggg 300
cgagacctca ggatgctcct ttgtgacatc aaaccccaga taaagaccag 350
tgatccttcc actctgcaag tcgagatggt ttgtcaacgt gaagcagaac 400
ggtgcactgg tgcacctgg cagttcgcca ccaatggaga gaaatccctc 450
ctctttgacg caatgaacat 470

<210> 403
<211> 509
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 29, 39, 124
<223> unknown base

<400> 403
gtcgggtggt acggccgctc cctgcaggng agttcgtgna cgacgacgtg 50

tgggcatcg tgaacaaacc ccgacgtgcg ggcccggcgc cccgctccgt 100
tggggcatct tcaccaacga cttntggggc aagggcatgg ccgagaacac 150
cagccacaag tcctaccgcc gctttgcgtc ctcaccttca agctaaacat 200
atTTTTgact ggtatgaacc cattctactt tcatgcagta aatataattt 250
tacactgctt agtgactctt gtgctgatgt acacctgtga taaaactgtc 300
ttcaagaatc gtggacttgc ttttgtaacg gcattgcttt ttgctgtaca 350
tcctattcat actgaggcgg tggctgggat cgttggcaga gcggacgtgt 400
tagcgtgtct gctgtttcta ttggcctttc tctcgtacaa caggagtctg 450
gatcagggct gtgttggggg aagtttccct tccacgggtg ctccttctt 500
cttgctgct 509

<210> 404
<211> 400
<212> DNA
<213> Homo Sapien

<400> 404
cttgtttggg cggtggaata tggtgggatt tatgtttgcc tctgaacaag 50
tgtcttgctc acatcgtaaa tgactttctc tccgaaacgc taaatattct 100
ttcccgagg agctcatatc cttattttcc atgacagatc ttaacggaca 150
atatatgcaa aagatatata aagatgataa ctaatatagt tatactgagc 200
ctgatcattt gcatttcggt agctttctgg attatatcaa tgactgcaag 250
cacctattat ggtaacttac gacctatttc tccgtggcgt tggctgtttt 300
ctgttggtgt tcctgttctg atcgtctcta atggccttaa aaagaaaagt 350
ctagatcaca gtggggctct aggagggcta gtcgttggtt ttatcctaac 400

<210> 405
<211> 370
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 27, 36, 118, 138, 163, 179
<223> unknown base

<400> 405
aatgccccca agttaaatac ctccctnacc tttacntaag ttgctccttt 50
atTTTTattt tattattatt attattatta ttattttttg agatggagtc 100
tcactttgta acccaggntg gaatgcaatg gcatgatntc agctcactgc 150
aacctccgcc tcntgggttc aagcaagtnt cctgcctcag cctccgagta 200
gctgggacta cagggtgcacg ccaccacgcc tggctaattt tttgtatttt 250

```
agtagagacg gggtttcacc gtgttgccca ggctggtcgc gaactcctga 300
gctcaggcaa tccgccacc tcagcctccc aaagtgttgg gattacaggc 350
atgagccacc atgcccagct 370
```

```
<210> 406
<211> 473
<212> DNA
<213> Homo Sapien
```

```
<400> 406
gggcttgaaa atctaaatac tttgaaatta gaataatatc ttgtgtttta 50
gagcttttaa ttttcaaata tntgctgtcc acacacccca ttggaggagg 100
acctgtgtca ctaacccaaa tttgtagctg agaaaacaga ggcagagaga 150
ggttaagtaa aaaaccccaa gagagttcac ctaatatgtg gaagaaagca 200
aaccagggtt ttcactaact tgtccatgtg tgtatgtgtg tggctgcggt 250
caccctgtg  tgtgtgtgta ctgtgtgcat gcctgtgtgt ttgtgcacac 300
ccatgtgtat gtacctgcat acacacccaa gtgtgtgtgt taccacaacg 350
aaagcgcaga ttattgaaa agaaagtgca ctccacagag tgggagcagg 400
ctagagccag tggctcagga gcctggttac agcattttct ggagtttaag 450
tgccctccag agttttccca ttg 473
```

```
<220>  
<221> unsure  
<222> 35, 51, 98  
<223> unknown base
```

```
<400> 407
cagccaggcc agagagggag ccgagccagg ccatntccaa ccatgtccga 50
ngaggcctcg gccatcactt cctacgagaa gtttcttaac ccccgagnag 100
cccttcccac tcctgggacc ttctcgcgg gggggcacct gcccgagcaa 150
ggagccgggc tgccctggaca tcaagcgact tcgggtgcc a gctgtcctcc 200
tgccatcgca ccgaccgct ccaccgcttc cacaccaaca ggtggaacct 250
aacttcttgt ggaacaagtg ttgccagctc agaaggcagt gaggagctgt 300
tttcatctgt gtctgttgga gatcaagatg attgctattc cctgttagat 350
gatcaggact tcacttcttt tgatttat tt cctgagggga gtgtctgcag 400
```

tgatgtctct tcttctatta gcacttactg ggattggtca gatagcgagt 450
ttgaatggca gttaccaggc agtgacattg ccagtgggag tgatgtactt 500
tctgatgtca taccacagtat tccaagttca ccttgccctg 539

```
<210> 408
<211> 545
<212> DNA
<213> Homo Sapien
```

```
<400> 408
tcaaaaaggt tgcattcntt ttgcataaac agggacttta tatagttaac 50
tcccnttata taaattctcc tatagtaatc tcaaagagta ttntagactt 100
ctcaatgctt tttattgttg ctgaaaagca aaaagacttg ctgtgnaagt 150
ggagaagact tcaacatcaa agtgattttt tctactctcc taggaatgaa 200
aggaacacaa agggaccgag aagcatttct tgtccagatt gtgtcaaaat 250
ctcaattgcc atctgagaat agagaaggta aagtgctgtg gactggctgg 300
ttctgctgtg tatttggaga cagtcttctg gagactgttt cagaagattt 350
cacctgtctg cccttattcc ttgcaaatgg agcagagtct aacacagcaa 400
taattggaac ttgggtttcag aaaacctttg actgttattt cagtccttta 450
gcaatcaatg catttaatct ttcttgatg gctgccatgt ggactgcatg 500
caaaatggac cattatgtgg ctactactga atttctttgg tctgt 545
```

```
<220>
<221> unsure
<222> 45, 77, 118, 121, 203
<223> unknown base
```

```
<400> 409
gacattttatt tttcatccat tgcaacccat tgccataaga acatncccat 50
ggccttgaag cgcttcacag cagcatngtg gaatgcagaa ttggagccaa 100
gcaattttca aagcaagnnt nctgaaaatg aaaaaaaata cttatattga 150
aaaacttttt gagcgttatg gtgaaaatgg aagattatcc ttttttggtt 200
tgnagaaact tttaacaaac ttggggccttg gagagagaaa agtagttgag 250
attaatcatg aggatcttgg ccacgatcat gtttctcatt tagatatttt 300
ggcagttcaa gagggaaagc attttcactc acataaccac cagcattccc 350
```


ataatcattt aaattcagaa aatcaaactg tgaccagtgt atccacaaaa 400
 agaaaccata aatgtgatcc agagaaagag acagttgaag tgtctgtaaa 450
 atctgatgat aaacatatgc atgaccataa tcaccgccta cgtcatcacc 500
 atcgttttgca tcatcatctt gatcataaca aactcacca ttttcataat 550
 gattccatta ctcccagtga gcgtggagcg gccgc 585

<210> 410
 <211> 446
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 45, 56, 67, 221, 289, 446
 <223> unknown base

<400> 410
 tacctattcc caggtttaat gttgattatt tatatttgaa aaaanttgat 50
 ttgtanaaac tgggtanatt actttcaaata taatcattta ttcctaattg 100
 accagggatg agtgagatgt ttatttagaa aacaaataat tttagatagg 150
 aaaattgaat ctttaaaaaa taatggatgat ttaatatatc aatgtgtggt 200
 ttttgtgtgt atgtgtgtaa nattggagca tccaggagtg tgcggtgtgt 250
 atatgacctt atttttctac tgtatcttag aggttgcnc tcccatgggt 300
 ataaaactta attggatttc tcgattttta ttttgtttat gcacttttac 350
 aacttatgtc atttttaggtt gtttattaat gccagttttg tataataaaa 400
 ttattagaga agttatgaag gaggatggca tgagtggggc ggccgn 446

<210> 411
 <211> 525
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 67, 95
 <223> unknown base

<400> 411
 acgcagagcg ttttcatttt ccacgggtct gtccttgtca aagcacaccc 50
 ctcggtgtcc aggttcttca tgggcaagtg ctcggggtga caaanaaggc 100
 gacattgact acagcacctg gtcctcggc atgctggtga cgcaggacgt 150
 gcagctcggg cttttcatgg ctgtcatgcc gactctcata caggcgggca 200
 ccagtgcac ttctagcatt gtcgtggaag ttctccgaat cctgggtttt 250
 attggtcaga ttcttttttc actagcggcg gtttttcttt tatgtcttgt 300
 tataaagaag tatctcattg gaccctatta tcggaagctg cacatggaaa 350

gcaaggggaa caaagaaatc ctgatcttgg gaatatctgc ctttatcttc 400
 ttaatgttaa cggtcacgga gctgctggac gtctccatgg agctgggctg 450
 tttcctggct ggagcgctcg tctcctctca gggccccgtg gtcaccgagg 500
 agatcgccac ctccatcgaa ccccc 525

<210> 412
 <211> 457
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 27, 37, 114, 213
 <223> unknown base

<400> 412
 cagttttttt atagtgaata ccaaaancat cagcaancac tggactgtca 50
 acccaaggct tattgatatt tgcggagttg atttctgcga ttaagagacg 100
 ttggctcgcc ttctcgtga tcattgtgag cctgggctat ggcattgtga 150
 agcctcgttt aggaacagtc atgcaccggg tgatcggact ggggcttcta 200
 tacttaatct ttncagctgt tgaaggcgtg atgagagtca ttgggggttc 250
 taaccattta gctgttggtc ttgatgacat tatttttagca gttattgact 300
 ccatttttgt gtggttcatt tttattagtt tggcacaac tatgaagacc 350
 ctaaggctaa gaaagaacac tgtgaaattt tcattatata gacattttta 400
 aaatactctg atctttgctg tgctggcttc tatagtgttt atgggggtggg 450
 cggccgc 457

<210> 413
 <211> 541
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 51, 54, 80
 <223> unknown base

<400> 413
 acgtggtctg cctgttattg gaaagatata ttaagatcca gttctggatt 50
 ncanctgttt attttttttg gaaatgcttn aaaaagcagt ttttttatag 100
 tgaataccaa aacatcagca aactggact gtcaacccaa ggcttattga 150
 tatttgcgga gttgatttct gcgattaaga ggacgttggc tcgccttctc 200
 gtgatcattg tgagcctggg ctatggcatt gtgaagcctc gtttaggaac 250
 agtcatgcac cgggtgatcg gactggggct tctatactta atctttgcag 300
 ctgttgaagg cgtgatgaga gtcattgggg gttctaacca tttagctgtt 350

gttcttgatg acattatattt agcagttatt gactccattt ttgtgtgggt 400
cattttttatt agtttggcac aaactatgaa gaccctaagg ctaagaaaga 450
acactgtgaa attttcatta tatagacatt ttaaaaatac tctgatcttt 500
gctgtgctgg cttctatagt gtttatgggg tgggcggccg c 541

<210> 414
<211> 523
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 20, 172
<223> unknown base

<400> 414
accggcccggt gagccggccn tgcccgccga ggtcgcggga catactgtgg 50
cgcgttttgg gctggaggat agttgcaagt attgtttgggt cagtgtctatt 100
tctacccatc tgcaccacag tatttataat tttcagcagg attgatttgt 150
ttcatcctat acagtggctg tntgattctt tcagtgcact gtatagttcc 200
tatgtaatct tttacttcct gctgctgtca gtggtaataa taataataag 250
tattttcaat gtggagttct atgcagttgt gccttctatt ccttgctcca 300
gactagctct gataggggaag atcattcatc ctcagcaact catgcactca 350
tttattcatg ctgcaatggg aatgggtgatg gcctgggtgtg ctgcagtgat 400
aaccagggc cagtacagct ttcttgtgggt tccctgcact ggtactaaca 450
gctttggtag ccttgctgcg caaacctgct taaatgaata tcactttttt 500
ttcctactga ctggagcggc cgc 523

<210> 415
<211> 544
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 2, 30, 40, 117
<223> unknown base

<400> 415
gnccacactg gccaaacggg gcatcatggn cacactgccn aaatagggcc 50
gccatgttgc agcaggatag taatgatgac cctgaagatg tttcactgtt 100
tgatgcggaa gaggagncca ctaatagacc aaaaaagcca aaatcagaca 150
tccagtagca tcgtttttcc actttattct ttcgagtcag tgcaatcatc 200
gtctatcttc tctgtgagtt gctcagcagc agctttatta cctgtatggg 250
gacaattatc ttgttggtgt cgtgtgactt ttgggcagtg aagaatgtca 300

caggtagact aatggttggc ctacgttggg ggaatcacat tgatgaagat 350
 ggaaagagcc attgggtggt tgaatctaga aaggagtcct ctcaagagaa 400
 taaaactgtg tcagaggctg aatcaagaat cttttggttg ggacttattg 450
 cctgtccagt actgtgggtg atatttgctt ttagtgcact cttctccttc 500
 agagtaaagt ggttggcggg ggttatcatg ggtgtggcgg ccgc 544

<210> 416
 <211> 473
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 35, 46, 62, 69, 142, 185, 252
 <223> unknown base

<400> 416
 cagcagtcct tatgattatg gaggaaagtg gaggnccctt atagcnaaac 50
 aggtatgctg gntatgacnt attcgcagca aaggcagatt tgtccccctcc 100
 agacatgatg cagccacaac agccatacac cgggcagatt tnccagccaa 150
 ctcaggcata tactccagct tcacctcagc ctttntatgg aaacaacttt 200
 gaggatgagc cacctttatt agaagagtta ggtatccaat tttgaccaca 250
 tntggcaaaa aacactaaca gtattacatc cgttaaaagt agcagatggc 300
 agcatcatga atgaaactga tttggcaggt ccaatggttt tttgccttgc 350
 ttttggagcc acattgctac tggctggcaa aatccagttt ggctatgtat 400
 acgggatcag tgcaattgga tgtctaggaa tgttttgttt attaaactta 450
 atgagtatga caggtgcggc cgc 473

<210> 417
 <211> 417
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 31, 53, 80, 96, 110, 130, 227
 <223> unknown base

<400> 417
 taattgttta ttgggaaatg gaggattaag nacatttttc aatttgtgca 50
 tgnagaggaa gacctgaagg ttcagcatan tagctacaag acagangggc 100
 ccggctgttn aaggaccagc tctccctggn aaatgtgcac tttcagatca 150
 caagatgtga aattgcagga tgcaggggtg taccgctgca tgatcaagct 200
 atgggtggtgc cgactacaag cgaattnctg tgaaagtcaa tgccccatac 250
 aacaaaatca accaaagaat tttggttggt gatccagtca cctctgaaca 300

tgaactgaca tgtcaggctg agggttaccc caaggccgaa gtcactctgga 350
 caagcagtga ccatcaagtc ctgagtggta agaccaccac caccaattcc 400
 aaggagagg cggccgc 417

<210> 418
 <211> 585
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 64, 67, 70, 78, 109, 152
 <223> unknown base

<400> 418
 aggtgcttgt gctcgaaccc agtgggtggg gcggtgctcc tcaagcttgt 50
 gtgcctgcta acctctntgn gtccgggntg gcaagagtgt gggactttcc 100
 ccctggcgnc cgtggacaac atgatgggtca gaaaagggga cacggcgggt 150
 gnttaggtgt tatttgaaag atggagcttc aaagggtgcc tggctgaacc 200
 ggtcaagtat tatttttgcg ggaggtgata agtggtcagt ggatcctcga 250
 gtttcaattt caacattgaa taaaaggac tacagcctcc agatacagaa 300
 tgtagatgtg acagatgatg gccatacac gtgttctgtt cagactcaac 350
 atacaccag aacaatgcag gtgcatctaa ctgtgcaagt tctcctaag 400
 atatatgaca tctcaaata tatgaccgtc aatgaaggaa ccaacgtcac 450
 tcttacttgt ttggccactg ggaaaccaga gccttcatt tcttggcgac 500
 acatctcccc atcagcaaaa ccatttgaaa atggacaata tttggacatt 550
 tatggaatta caaggacca ggctggggcg gccgc 585

<210> 419
 <211> 575
 <212> DNA
 <213> Homo Sapien

<400> 419
 taaactacac tcagtataca gtgatagtgg gatttgaaca cctgaagctc 50
 cccatcaaag ggaatgaact tcacatgaag acttataacc ctgccttctc 100
 ccgggttgga aatctggttc cgggttttct ttgtgggtgct caccttcac 150
 gtcacttgcc tgtttgcgca ttccctccgg aaattttcca tgagagactg 200
 gggcatcgag cagaagtgga tgtctgttct cctgcctctg ctgctacttt 250
 acaatgatcc gttcttcccc ctctccttcc tggatcaacag ctggctccca 300
 gggatgctgg atgacctctt tcagtcctatg ttctgtgctg cctgctgct 350
 cttctggctg tgcgtgtacc acgggattcg tgtccaggga gaaagaaagt 400
 gtttaacttt ctatttgcct aaattcttca ttgttggaact attgtggttg 450

gcttctgtta cgctaggaat atggcaaaca gttaacgaat tacatgatcc 500
aatgtaccag tatcgagttg ataccggaaa ttttcaggga atgaaggtct 550
tcttcatggg gggggcagcg gccgc 575

<210> 420
<211> 572
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 90
<223> unknown base

<400> 420
gtgtctgctc gccctccgac gctgctcagg aatttgcaag aaactgaagt 50
tttgattcag atatattttg aattgaaacc agagatgttn tagagtttag 100
attctttcat ttgattaagg tatggtctga atatgcgttg cttggcagct 150
cgggtcaact ataagacttt gattattatc tgcgcactct tcactttggg 200
cacagtactt ttgtggaata agtgttccag tgacaaagca atccagtttc 250
cacggcgttc gagtagtggc ttcagagtgg atgggtttga aaaaagagca 300
gcagcatctg agagtaacaa ctatatgaac cacgtggcca aacaacagtc 350
tgaggaagca ttccttcagg aacagcagaa agcaccctct gttggtgggg 400
gcttcaatag caatgtggga agtaagggtg tagggctcaa atatgaagaa 450
attgactgtc tcataaatga tgaacacaca attaaagggg gacgagaggg 500
gaacgaagtc tttcttccat tcacttgggt tgagaaatat tttgatgttt 550
atggaaaggt ggtggcggcc gc 572

<210> 421
<211> 581
<212> DNA
<213> Homo Sapien

<400> 421
aggctcccgt gtctgctcgc cctccgacgc tgctcaggaa tttgacaaga 50
aactgaagtt ttgattcaga tatattttga attgaaacca gagatgttct 100
agagttttaga ttctttcatt tgattaagggt atggtctgaa tatgcgttgc 150
ttggcagctc ggggtcaacta taaggctttg attattatct gcgcactctt 200
cactttggtc acagtacttt tgtggaataa gtgttccagt gacaaagcaa 250
tccagtttcc acggcgttcg agtagtggct tcagagtgga tgggtttgaa 300
aaaagagcag cagcatctga gagtaacaac tatatgaacc acgtggccaa 350
acaacagtct gaggaagcat tccctcagga acagcagaaa gcaccctctg 400

ttgttggggg cttcaatagc aatgtgggaa gtaaggtgtt agggctcaaa 450
 tatgaagaaa ttgactgtct cataaatgat gaacacacaa ttaaaggag 500
 acgagagggg aacgaagtct ttcttccatt cacttgggtt gagaaatatt 550
 ttgatgttta tggaaagggtg ggggcggccg c 581

<210> 422
 <211> 264
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 17, 36, 139, 173, 224, 246
 <223> unknown base

<400> 422
 ttcttttttt tccccngca attttttcag tgaaanacat ggagtctttc 50
 atcttggaga gttgtcagag tcaagatttt gctgtttag ccagtgttt 100
 aaaacaattc acaaagactt tctaggagag gaagagagnc tgagggaaga 150
 agagatacag aaaaagaaaa tgncaggatt gaacctggaa actcacagaa 200
 tctctgactc atgctggaaa tgtntttggg tacctcttgc cttttntgtg 250
 ttggcggcgg ccgc 264

<210> 423
 <211> 601
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 31, 36, 78, 88, 207
 <223> unknown base

<400> 423
 tgaaaggacc cctagtctcc ctggcaaagt nttttnttca atccccact 50
 tcattttcct taagagccat tccaagtntc ttctttntc gataccctaa 100
 ccagctcaca tccactcaa ggggtgagat gccctcctca ccattgaaga 150
 gatcaagccc ccagggggga accagctcaa ctccccctc tgtctctccg 200
 aagagcctcc tgtttgaaaa ctcgaggcag ctgtaccccg tgcgaagtcc 250
 ttgctcccgt ctccccatgt ctccaggat ttctctcat agtggggatt 300
 actcgctaac ctttccttcc tcacctactt ccccttttcc ttcagctttc 350
 accgtgttta aatcttctaa taattctttt tatgacatct tgtttttcaa 400
 gctcttctcc agtgatccct ccacttctcc aatggccctt ttcactaaac 450
 ctccaaattt gtctttgctg acatttattg agctgctatt acatgttcta 500
 aatgctttac ttgtcgtatt taatcctaac aacaacctac aaggtaggcc 550

ttgctattat ctccatttta tagttgaaga aactgaggct gccgcggccg 600

c 601

<210> 424

<211> 573

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 68, 71, 78, 104, 106, 194, 237, 309, 319, 416, 462

<223> unknown base

<400> 424

tatcggcaca ttggcaaaga caacattcag gcccaatggc ccacaaattg 50
gtccgcccac tgccattntg naaaaggntt cactgcaaata taaaaagca 100
tcctnatga aaagagattg gaaaggcctc tccaagcaac tggactggga 150
tgttcgaagc attcagcgtt ggttcgcaaa gacgcaatca gganaagccc 200
aagcacggct gacgaggttc tgtgagagca tgtgganatt ttcattttac 250
ctttatgtat ttacctacgg agtcagattc ctgaaaaaga ccccttggtt 300
gtggaatang aggcattgnt ggtacaacta cccctatcag ccactcaca 350
ctgaccttca ctactattac atcctggagc tgtcgtttta ttggtctttg 400
atgttttctc agttcncatga tatcaaaaga aaggactttg gcattatgtt 450
cctgcactac cntgtatcta ttttcttgat taccttttca tatgtcaaca 500
atatggcccg agtaggaacg ctggtccttt gtcttcatga ttcagctgat 550
gctcttctgg aggctgcggc cgc 573

<210> 425

<211> 632

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 19, 110

<223> unknown base

<400> 425

atTTTTtgaa attaatgcnt gagctttatt ttgtttaatt gttatgccca 50
ctggattggg acaagcatca cctctgaatt ttgaagacct taatgtgtgt 100
tagccattgn aaagctactc aagtgctgtg caagagtcac acccacatcc 150
ctttgatcaa atttactaca cgagctgcac tgacattcta aactgggtta 200
aatgcacgcg gcacagagtc agctatcgga cagcctatcg acatggggag 250
aagactatga caggcgcaag tctcagtgtt gtcctggatt ttatgaaagc 300
ggggaaatgt gtgtcccca ctgtgctgat aaatgtgtcc atggctcgtg 350

tattgctcca aacacctgtc agtgtgagcc tggctgggga gggaccaact 400
gctccagtgc ctgcatggt gatcactggg gtccccactg caccagccgg 450
tgccagtgca aaaatggggc tctgtgcaac cccatcacccg gggcttgcca 500
ctgtgctgcg ggcttccggg gctggcgctg cgaggaccgc tgtgagcagg 550
gcacctatgg taacgactgt catcagagat gccaatgcca gaatggagcc 600
acctgcgacc acatcacggg gctggcgggc gc 632

<210> 426
<211> 251
<212> DNA
<213> Homo Sapien

<400> 426
ttttcaatga aaaaaagaat cccaaaaaaa aaagttgtca gcctcatttg 50
tgcgtcatcc cttattttcc tgggatctca ggacctctgt ccctctcatt 100
tctcacttct gagatctgca catcttttac ccaggagcct cagagctcct 150
gagtctggtg tctgcctatc cccatcttca ctgttagtcc tcctgcagat 200
tctgtgtctc ctttcatgta ggtgctggat ccctgtgtgt ggagcggccg 250
c 251

<210> 427
<211> 607
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 56, 99, 150
<223> unknown base

<400> 427
acaaagtttc ccaatgactt gttaaaagtc gatggtgtag ctcaagatgg 50
aaccncaat gtacattaat aacaaaagtt cacaacgggc aaaggacct 100
cacatgtgca aggaaaatgt gcggagatta ttgggctcac cttgggtacn 150
tgaactacac tcagtataca gtgatagtgg gatttgaaca cctgaagctc 200
cccatcaagg gaatgaactt cacatggaag acttataacc ctgccttctc 250
ccggttgga atctggttcc gggttttctt tgtggtgctc accttcatcg 300
tcaettgcct gtttgcgcat tccctccgga aattttccat gagagactgg 350
ggcatcgagc agaagtggat gtctgttctc ctgcctctgc tgctacttta 400
caatgatccg ttcttcccc tctccttcct ggtcaacagc tggctcccag 450
ggatgctgga tgacctctt cagtccatgt tcctgtgcgc cctgctgctc 500
ttctggctgt gcgtgtacca cgggattcgt gtccagggag aaagaaagtg 550
tttaactttc tatttgcta aattcttcat tgttggaacta ttgtggttgg 600

cggccgc 607

<210> 428
<211> 583
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19, 119
<223> unknown base

<400> 428
gcatccgctt gactgcatnt gagttttccc agtctgtctt tggggatggg 50
gccatgccat agtcttgatg tcttggtgccg tgtgattttt gcagataaga 100
tgacttggcc catggcccnc agatcactta ttctggggaa gtgtaggaac 150
agtggttgcc taacccaagt tcttacatga tgtacctttt tcctttctaa 200
aaaataactt aaaaatatga aatatactaa tttgtttcag atattacata 250
caattggaaa gtggacaagt tcctgtatat gctgtcactt ttcaagaacc 300
tgagaatgat cctcggaatt gctgttactt gtgggctggt cagtctacac 350
aagataggta ggtctcatac aaactttggt ttgttttggt ttgttttttt 400
ggagacagag tctcgctctg ttgtccaggc tggagtgcag tggcgtgatt 450
tcggctcact gcaacctccg cctcccggat tcatgccatt ctctcgctca 500
gcctcccag tagctgggac tacaggtgcc tgccaccatg cctggctaata 550
ttttatatatt tcagtagaga cgggagcggc cgc 583

<210> 429
<211> 462
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 51-52, 54
<223> unknown base

<400> 429
ttaatttaaa aatatgaaaa gtaaaaatgg gattttgtct tatttgtgtt 50
nnanagctgg cttttcacac atgcagttgt tagtgtttac tgcccttgcc 100
attttaatta tgaggctaaa gatgtttttg acaccgcaca tgtgtgttat 150
ggcttccttg atatgctctc gacagctctt tggctggctt ttctgcagag 200
ttcgttttga gaaggttatc tttggcattt taacagtgat gtcaatacaa 250
ggttatgcaa acctccgtaa tcaatggagc ataataggag aatttaataa 300
tttgccctcag gaagaacttt tacagtggat caatacagt accacatcag 350
atgctgtctt tgcaggtgcc atgcctacaa tggcaagcat caagctgtct 400

acacttcac ccattgtgaa tcatccacat tacgaagatg cagacttgag 450
ggctgcggcc gc 462

<210> 430
<211> 546
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 6, 36, 64
<223> unknown base

<400> 430
ggccncact ggccaaaata gttggaatgc cttttnttat tcaccaatgg 50
ggcccaaggg gaanagtggg tgtttggggg gcctttttgc accatcatca 100
catccctgga tacttgtaac caatttgcct gtagtgccat catgactgta 150
atgagtgtgg acaggtactt tgcctcgtc caaccatttc gactgacacg 200
tggagaacaa ggacaagacc atccggatca atttgggcct ttgggcagct 250
tcctttatcc tggcattgcc tgtctgggtc tactcgaagg tcatcaaatt 300
taaagacggt gttgagagtt gtgcttttga tttgacatcc cctgacgatg 350
tactctggta tacactttat ttgacgataa caactttttt tttccctcta 400
cccttgattt tgggtgtgcta tattttaatt ttatgctata cttgggagat 450
gtatcaacag aataaggatg ccagatgctg caatcccagt gtaccaaaac 500
agagagtgat gaagttgaca aagatggtgc tgggtgctggc ggccgc 546

<210> 431
<211> 526
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 56, 64
<223> unknown base

<400> 431
aggtgtcacc atggcaaagc ttcccttctt gattctctcg agtttgttga 50
agcgtntacg gttnactga cggattcaga agctcatttt acctcagctt 100
tcattgaaac tacctcctat cttgagtctt cactcatttc ccatgaatcc 150
gcagtcactg cactggtgcc ccccggtctg agtcttttga cattttgact 200
gccgggattc aagcaacatc accattgacc actgtccaca caacgcccac 250
tttaactgag tcttctttgt tctcaactct gacacctcct gacgacaaa 300
tcagtgtctt agacggtcac gtgtctgtcc tggcctcttt ctccaaagcc 350
attcccactg agctgaccgt cgtgggcccac tctctcacac ccacagaggt 400

```
gccactgaac acctccacgg aagtgagcac aaccagcacc ggtgctgcca 450
ctggtggtcc cctcgactcc accctgatgg gtgacgccgc aagtcagagc 500
ccccagaga gtagtgctgc tcctcc 526
```

```
<210> 432
<211> 525
<212> DNA
<213> Homo Sapien
```

```
<400> 432
acactcagaa caggagnaat ttggactaat tttcaaacta cagacacttt 50
ctaatacatga tgcatttcaa aagtggactc ggaatttaac tgngttgcaa 100
aacatgncag tgcccgagga tgataacatt agcaatgact ccaatgattt 150
caccgaagta gaaaatggtc agataaatag caagtttatt tctgatcgtg 200
aaagtagaag aagtctcaca aacagccatt tggaaaaaaaa gaagtgtgat 250
gagtatatctc caggtacaac ctcttaggc atgtctgttt ttaacctaaag 300
caacgccatt atgggcagtg ggattttggg actcgcttt gccctggcaa 350
acactggaat cctacttttt ctggtacttt tgacttcagt gacattgctg 400
tctatatatt caataaacct cctattgatc tgttcaaaag aaacaggctg 450
catgggtgat gaaaagctgg gggaacaagt ctttggcacc acagggaagt 500
tcgtaatctt tggagccacc tctct 525
```

```
<220>
<221> unsure
<222> 23, 111, 130, 146
<223> unknown base
```

```
<400> 433
ccaacccaat taccaagcag atncttttgg gggattccag ccatcagaca 50
aggaacccat ggcagctgca gggttttttg cattgtgcaa gcttatgctt 100
tcttgcagat ntgagagccg attaacaaan caagagttcc agaccntttt 150
ctttttgggt gtatcactag ctgcagggtgc tgtgttcctt agtgtcatct 200
at ttgactta tacagggttac attgcacccat ggagtggcag gttttattca 250
ttgtgggata ctgggtatgc aaaaatacac attccaatta ttgcatcagt 300
gtctgagcat caacctacga cttgggtgtc tttcttcttt gatctacata 350
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ttcttgatg taccttccca gcaggccttt ggctctgcat caaaaatatc 400
aacgatgaaa gagtatttgt tgctctatat gcaatcagtg ctgtctactt 450
tgctggagtg atgggtgcgac tgatgttgac tttgactcca gtcgtgtgta 500
tgctgtctgc aattgccttt tcaaagtgtt ttgagcacta tttgggggct 550
gcggccgc 558

<210> 434
<211> 490
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 74
<223> unknown base

<400> 434
attgcagctg ttattttttt ggaaatgctt gaaaaagcag ttttttatag 50
tgaataccaa aacatcagca acantggact gtcaacccaa ggcttattga 100
tatttgcgga gttgatttct gcgattaaga ggacgttggc tcgccttctc 150
gtgatcattg tgagcctggg ctatggcatt gtgaagcctc gtttaggaac 200
agtcatgccg gggatgatcg actggggctt ctataactta tctttgcagc 250
tggtgaaggc gtgatgagag tcattggggg ttctaaccat ttagctgttg 300
ttcttgatga cattatttta gcagttattg actccatttt tgtgtgggtc 350
atttttatta gtttggcaca aactatgaag accctaaggc taagaaagaa 400
cactgtgaaa ttttcattat atagacattt taaaaatact ctgatctttg 450
ctgtgctggc ttctatagtg tttatggggc gagcggccgc 490

<210> 435
<211> 536
<212> DNA
<213> Homo Sapien

<400> 435
ggccacactg gccaaactaa aatttttggg attgcagatg acgctcatat 50
tggcaactta ctaacatcaa aattcttttag ttataaggat tttgatactt 100
tattgtatac ctgtgcagcg gagtttgact ttatggaaaa agagactcca 150
ctgagataca caaagacatt attgcttcca gttgttcttg tagtgtttgt 200
tgctattggt agaaagatta ttagtgatat gtgggggtgtc ttagctaaac 250
aacagacaca tgtaagaaaa caccagtttg atcatggaga gctgggttac 300
catgcattgc aattgttagc atatacagcc cttgggtattt taattatgag 350
actaaaactc ttcttgacac cacacatgtg tgttatggca tcaactgatc 400

gctcaagaca gctatttgga tggctctttt gcaaagtaca tcctggtgct 450
 attgtgtttg ctatattagc agcaatgtca atacaagggt cagcaaattct 500
 gcaaaccagc tggaatattg taggggaggg ggccgc 536

<210> 436
 <211> 513
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 19, 40, 57, 66
 <223> unknown base

<400> 436
 agggttttta taggactanc agtacgatgg gcagtgtctn ttaattttta 50
 ttcaggngct ggtaanccgc ctatgttttg tgattatgaa gctcagagac 100
 ctggcaagaa ataacttttt aatttaccgg tcaaacaatg gtattttacc 150
 agcagtgata acaattttaca gtattgggga ttggattacc cacctcttac 200
 agcttatcat agtctcctat gtgcatatgt ggcaaagttt ataaatccag 250
 actggattgc tctccataca tcacgggtgga tatgagagtc aggcacataa 300
 gctcttcatg cgtacaacag ttttaattgc tgatctgctg atttacatac 350
 ctgcagtggg tttgtactgt tgttgcttaa aagaaatctc aactaagaaa 400
 aagattgcta atgcattatg catcttactg tatccaggcc ttattcttat 450
 agactatgga cattttcaat ataattctgt gagtcttggc tttgctttgt 500
 ggggtgcggc cgc 513

<210> 437
 <211> 570
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 32, 48, 72
 <223> unknown base

<400> 437
 cactggccaa aaaattcgat gcgaggccca gnaagcacgc tgaaacctg 50
 gcggcggcaa gctgtgcgac tnttttgagg ccggcctggg caggtgtctt 100
 cctcgagagg caggcagggg atcccggaca ctagctttat cgtcatctgg 150
 gaaattgtta aaaatgcaaa ttcgcaagtt tgagagccat ggttccaaga 200
 aactgcataa gcatacgaaa taagttgcag cctcccgact tataccctgg 250
 tacttttagt ctaaaacagg atttgactct actaatccag ccttatacag 300
 gatgctgtgt tctttgctcc tttgtgaatg tctgttgctg gtagctgggt 350

atgctcatga tgatgactgg attgacccca cagacatgct taactatgat 400
gctgcttcag gaacaatgag aaaatctcag gcaaaatatg gtatttcagg 450
ggaaaaggat gtcagtcctg acttgatcatg tgctgatgaa atatcagaat 500
gttatcacia acttgattct ttaacttata agattgatga gtgtgaaaag 550
aaaaagaggg gtgcggccgc 570

<210> 438
<211> 557
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 33, 51
<223> unknown base

<400> 438
agaaaaagaa gaatcaacgt aaataagata aanggattca aaataaagat 50
ntcttgaaga gaaataagaa tcatttacia aagcagcaga gaaaaatttt 100
acagatgaag gagccagcta ttttaagatgg gcatcaagg tctccagcag 150
tctaaaagcc aaaaacaaaa agaagaagcc tacctacttt ttgccaaagc 200
agctgacatg ggaaacttga aagctatgga gaaaatggct gacgctttgc 250
tatttggaag ttttggcgtg caaaatataa cagcagctat ccaattatat 300
gagtccttgg ctaaagaagg atcatgtaaa gcccaaaacg cattaggatt 350
tttgtcttct tatggaatag gaatggaata tgatcaagct aaggcactga 400
tatattacac ctttggaagt gctggaggaa acatgatgct ccagatgatt 450
ttgggggtaca gatatttgc gggaaatcaat gttctacaga attgtgaagt 500
tgccctaagt tattacaaga aagtggcaga ttatattgct gacacatttg 550
aaaaaag 557

<210> 439
<211> 330
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 116-117, 135, 196, 261
<223> unknown base

<400> 439
ttttgttgcc ttgggtgttc tcacactctg caagttttac ttgcagggtt 50
atcgagtttt catgaatgat cctgccatga atcggggcat gacagaagga 100
gtaacgctgt taatcnntgg cagtgcagac tgggntgata gaacatgcag 150
gttggttcac gggcattctt gctcagtatt atccttttca ttgtcnntag 200

cttctatcct acagtctatg ttagaaattg cagatcctat tgttttggca 250
 ctgggagcat ntagagacaa gagcttgtgg aaacacttcc gtgctgtaag 300
 cctttgttta tttttattgg tattccctgc 330

<210> 440
 <211> 549
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 46, 64, 82, 85, 88, 169
 <223> unknown base

<400> 440
 accaccttgc ccatttatatt tggcccttgt taaaccaata actgcntatc 50
 cagatatgcc acantttttgc ctgctgtggc anccntcntg gataggtgct 100
 cttgttaatc acatggatgt tatataagag ttggggccggc ccagcacaca 150
 aggtcagcat gtgctcttnt gtcacgctct cgctatagct gttgtccaga 200
 tcgttatctt ctcagaaagc tgggcatttg ccaagaacat caacttctat 250
 aatgtgaggc ctccctctcga ccctacacca tttccaaata gcttcaagtg 300
 ctttacttgt gaaaacgcag gggataatta taactgcaat cgatgggcag 350
 aagacaaatg gtgtccacaa aatacacagt actgtttgac agttcatcac 400
 ttcaccagcc acggaagaag cacatccatc accaaaaagt gtgcctccag 450
 aagtgaatgt cattttgtcg gttgccacca cagccgagat tctgaacata 500
 cggagtgtag gtcttgctgt gaaggaatga tctgcaatgt agaattacc 549

<210> 441
 <211> 303
 <212> DNA
 <213> Homo Sapien

<400> 441
 atttatatttg ctaaattgaa agggaacata gatggaattc caaaatatgt 50
 acattcagct gtttggtttt tcgtttttca ttgttattat tgtgagaatg 100
 ctgttattgg ggttgtgtgt gaggccccgt cagccagtga tgcctcgggc 150
 cacgctgtgg ggccacctca gtccctgcctg ggtcctgggtg ccttggaccc 200
 cacgtgcttg tggccaggct gccctggggc ggggcatgt ggcctcagac 250
 cacaagagcg gagctgccct ggcccaagca ctgcagctgc ctgcaccccc 300
 ggg 303

<210> 442
 <211> 559
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 22, 38, 63, 90, 138
 <223> unknown base

<400> 442
 cgaccgcctt tcgcggggca gnaaggccag ggggtgctnag ttctttcacc 50
 tcctttttaga ctnaagattt gccaaagtttt ccggcattgn tcttgaggat 100
 ctcagaaggg ctctttaagc aagactgcaa atgggtgngt atttgtcatg 150
 aaccgaatga attccccaga acagtggttt cactcagcgc aggggaatgg 200
 ctctttggga ttgttattct tctgcttggt gatgtgatat gggttgcttc 250
 ctctgaactt acttcgtatg tttttaccca gtacaacaaa ccattcttca 300
 gcacctttgc aaaaacatct atgtttgttt tgtacctttt gggctttatt 350
 atttgggaagc catggagaca acagtgtaca agaggacttc gcggaaagca 400
 tgctgctttt tttgcagatg ctgaagggtta ctttgctgct tgcacaacag 450
 atacaactat gaatagttct ttgagtgaac ctctgtatgt gcctgtgaaa 500
 ttccatgatc ttccaagtga aaaacctgag agcacaacaa ttgatactga 550
 aaaaacccc 559

<210> 443
 <211> 559
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 25, 50
 <223> unknown base

<400> 443
 gacctcgacc caagggtccg cgganggggtg ggactgggtca tggatctttt 50
 gtcaagaatg agtttcggcc ccctcctacc ttatgggcta taataaatcc 100
 ttgagtgtgg ggcaaccaca acttttctga ctgggattat tcagctaata 150
 atgggcgtat tgggtttggg ttcattgcca cttaccttcc ggagtctgca 200
 atgagtgctt acctggctgc tgtggcactt catatcatgc tgtcccagct 250
 gactttcatc tttgggatta tgattagttt ccatgccggt cccatctcct 300
 tcttctatga cataattaat tactgtgtag ctctcccaaa agcgaattcc 350
 accagcattc tagtatttct aactgttggt gttgctctgc gaatcaacaa 400
 atgtatcaga atttctttca atcagtatcc cattgagttt cccatggaat 450
 tatttctgat tattggcttc actgtgattg caaacaagat aagcatggcc 500
 acagaaacca gccagacgct tattgacatg attccttata gctttctgct 550
 tcctgtaac 559

<210> 444
<211> 547
<212> DNA
<213> Homo Sapien

<400> 444
acagttgtgg ggaatcactg ttcctgggta gaaatttctg cattttatat 50
tattttcttg gctatattcc caaagcttgg attagcactg ctatgaacct 100
tcacatagat gagcagggtc ataggccact tgacacagtg agtggcctct 150
taaactctctc gttactctac catgtctggc tgtgtgggtg ctttctcctg 200
acgacttggg atgtctcatg gatactcttc aaaatctatg ccacagaggc 250
tcatgtgttt cctgttcaac caccatttgc agaagggtca gatgagtgcc 300
ttccaaaagt gttaaatagc aatcctcccc ccatcataaa gtatttagcc 350
ttgcaggacc tgatgttgct ttctcaatat tctccttcac gaagacaaga 400
agttttcagc ctcagccaac caggtggaca tccccacaat tggacagcca 450
tttcaaggga gtgtttgaat cttttaaatg gtatgactca gaaactgatt 500
ctctatcaag aagctgctgc tacgaatggg gggcatcatg cggccgc 547

<210> 445
<211> 525
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 40, 69, 176
<223> unknown base

<400> 445
ttcatggtaa aaaatgaact accctctgcc ataaagtttn taatgggaaa 50
ggaagagaca ttttcagcnt ggacgtggat ggccgcgttc tgggtggtgat 100
agttaccttt ggcataattc tccctctgtg tctcttgaag aacttaggga 150
tcttggtat actagtggat tttccntgag ctgtatggtt tttttcctaa 200
ttgtgggttat ttacaagaaa tttcaaattc cctgcattgt tccagagcta 250
aattcaacaa taagtgctaa ttcaacaaat gctgacacgt gtacgcaaaa 300
atatgttacc ttcaattcaa agaccgtgta tgctttaccc accattgcat 350
ttgcatttgt ttgccacccg tcagtcctgc caatttacag tgagcttaaa 400
gaccgatcac agaaaaaaat gcagatgggt tcaaacatct cctttttcgc 450
catgtttgtt atgtacttct tgactgccat ttttggctac ttgacattct 500
atgacaacgt gcagtccgcg gccgc 525

<210> 446
<211> 510

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 2, 287
<223> unknown base

<400> 446
gnccacactg gccaaaaggt tgccgctagc cgccctgggaa tttaagggac 50
ccacactacc ttcccgaagt tgaaggcaag cgggtgattgt ttgtagacgg 100
cgctttgtca tgggacctgt gcggttggga atattgcttt tccttttttt 150
ggccgtgcac gaggcttggg ctgggatgtt gaaggaggag gacgatgaca 200
cagaacgctt gccagcaaa tgccaagtgt gtaagctgct gagcacagag 250
ctacaggcgg aactgagtcg caccggtcga tctcganagg tgctggagct 300
ggggcagggt ctggatacag gcaagaggaa gagacacgtg ccttacagcg 350
tttcagagac aaggctggaa gaggccttag agaatttatg tgagcggatc 400
ctggactata gtgttcacgc tgagcgcaag ggctcactga gatatgcaa 450
gggtcagagt cagaccatgg caacactgaa aggcctagtg cagaagggcc 500
ctgcggccgc 510

<210> 447
<211> 551
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 32, 95, 98, 107, 207, 374
<223> unknown base

<400> 447
aagttttttt ttaattatca tgggacgggt tntggattta atggggggaa 50
aagggcggaa aaggacaagg atccaaactg gggaatttgt tgatnttngg 100
gtccctntcc gctttccggc cggcagcggc tgccagggtat tatttccttt 150
tttccgatcc tgcaacagcc tctttaaact gtttaaata gaatgtcctt 200
ggctcanaga gtactactca cctggctttt cacactactc ttcttgatca 250
tggttggtgtt gaaactggat gagaaagcac cttggaactg gttcctcata 300
tttattccag tctggatatt tgatactatc cttcttgtcc tgctgattgt 350
gaaaatggct gggcgggtgta agtntggctt tgaccctcga catggatcac 400
acaatattaa aaaaaaagcc tggtacctca ttgcaatgtt acttaaatta 450
gccttctgcc tcgcactctg tgctaaactg gaacagttta ctaccatgaa 500
tctatcctat gtcttcattc ctttatgggc cttgctggct ggggcggccg 550

c 551

<210> 448
<211> 346
<212> DNA
<213> Homo Sapien

<400> 448
taattaaaat gcacacacac acacacacac acagaaattt tgagagccat 50
tttaatatataa ttgcctccct agaaacatac ctttttaggga atttttatca 100
ctaaaccaca tgttatttaa atacgtacat gtttaacata aatacataca 150
taaaattcac atgcatactt aacacttatg ttaaatatat tcaatgtata 200
tacatatgta cacaatatat gcatatatac atgtgggtat gtgggtatgtg 250
tgcatgtgtg tgtatggcca gctacataat ttgtgggact aaggggcaaaa 300
tgaaactgta cggccctcgt tcaaaaatta ggtgtggggc ggccgc 346

<210> 449
<211> 550
<212> DNA
<213> Homo Sapien

<400> 449
ccagtttgtc aaactactac tcttcaatgc ttctacatag cattctttaa 50
gggcaaattt gtaggctatc caggagaccc cagtttattg gttgggaaaa 100
tacagaaatg aagagtgtga cccaggtggc tgtcttcttg aactgacaac 150
tcagcttgac aataatcatg ggaggaaaag caatctggaa taacatacaa 200
gaagtattat tgccctggat catgaatcta attgggcgat ttcacagagt 250
ttctggatca gaaaagataa cccacgatg ggaacaggac taccatctgc 300
agcctatggg caaactggga ttattttatg aatatcttga aatgattatt 350
cagtttgggt tcgtcacctt atttgtggcc tcttttccac tggccctct 400
gttggctctc gtgaacaata tattggaaat aagagtggac gcatggaaac 450
tgaccacca gtttagacgc ctggtaccag agaaagccca agacattgga 500
gcatggcagc ccatcatgca aggaatagca attctggctg tggcggccgc 550

<210> 450
<211> 499
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 57, 65, 68, 100, 146, 160, 177, 194, 237
<223> unknown base

<400> 450
ctgttaatga ttgcatttgg ccttgctggg ggggcatttt cttgcggatc 50
aaaccncgc aaagngtntt catttccacg tgtctgtctt gtcaagcacn 100

cccttggtgt ccagggtcct tcatggccag tgctcggggg acaaanaagg 150
 cgacattgan tacaagcccc gtgctcntcg gcatgctggg aacncaggac 200
 gtgcagctcg ggctcttcat ggccgtcatg ccgactntca tacaggcggg 250
 cgccagtgca tcttctagca ttgtcgtgga agttctccga atcctgggtt 300
 tgattgggtca gattcttttt tctactagcgg cggtttttct tttatgtctt 350
 gttataaaga agtatctcat tggaccctat tatcggaagc tgcacatgga 400
 aagcaagggg aacaaagaaa tcttgatctt gggaatatct gcctttatct 450
 tcttaatggt aacggtcacg gagctgctgg acgtctccat ggagctggg 499

<210> 451

<211> 474

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 26, 61, 77, 92, 99, 118, 136, 148, 167, 171, 228, 233, 255, 283,
 347, 404, 468

<223> unknown base

<400> 451

atcccaggcc tttaggcccc ggaatnaaca attgcaatgc acgtttaagg 50
 aaaaggccat ntggattca gaccctnacg gccttcccac antttgtcnt 100
 cacttgcaac agggcttngg gtgggcctcc cgtttntaaa gcaccccnct 150
 atgaatgcac agcaggncaa nacccaagtc ccaagactgc ctgggcctac 200
 tggccccctt agcatttgtg cagaggtntc cntacaagc tcccatgttg 250
 ggaanaagca cagaccacc aggaccctg ttntcctcct cagatcccct 300
 tcttgccacc ttttcccact ccggggactc agcccaggac acctcgntga 350
 ttcctgcccc ctttacacct gcaagcaggg atgccggcat cagaagaatg 400
 tttngtggtt gaaattgtt gaggggtttg ggtttatatt tggttggttt 450
 ttcttttttt ttgcttangt gggc 474

<210> 452

<211> 421

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 108, 153

<223> unknown base

<400> 452

acggcgctcc ccgcccgaat tcaaagctcc gagtcatccg tgtggggcat 50
 tcgtcccccc tggcacagtt ggctctttc cagaagcccg ttttgtttgt 100

tttacgtnta aattcgcgtc ggttcttatt tctctccctg gcaaggtctg 150
 aanacgggta ggagaataac ctgtgtcagc gtgttatgat gccgtcccgt 200
 accaacctgg ctactggaat cccagtagt aaagtgaaat attcaaggct 250
 ctccagcaca gacgatggct acattgacct tcagtttaag aaaaccctc 300
 ctaagatccc ttataaggcc atcgcaactg ccactgtgct gtttttgatt 350
 ggcgcctttc tcattattat aggcctccctc ctgctgtcag gctacatcag 400
 caaagggggg gcagaccggg c 421

<210> 453
 <211> 504
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 84, 117, 121
 <223> unknown base

<400> 453
 gtcaccttta cattctagtc ctctgcac tcctcaaggt tcccctcaca 50
 aaggttacac acttattcca tcagctaaat ctgncaactt gtctgactcc 100
 agccatagtg agatttnttc nccgtccagc atcgtgagca attgttctgt 150
 tgactccatg tctgcagctc tacaggatga acggtgttcc tctcaggccc 200
 tggcagtccc tgaatccact ggggcattgg aaaagacaga gcacgcttca 250
 gggataggag atcatagtca acatggccct ggggtggacac tcttgaagcc 300
 atctctaata aagtgttttag ctgtctcatc gtctgtgagc aatgaagaga 350
 tttctcaaga gcatatcatt atagaagcag ctgacagtgg tcgtggaagt 400
 tggacttcgt gttcaagcag ctcccatgac aacttccaaa gccttccaaa 450
 cccaaaaagc tgggattttt tgaactctta cagacatacc catttggatg 500
 accc 504

<210> 454
 <211> 474
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 21, 46, 55, 81, 86, 218, 301
 <223> unknown base

<400> 454
 ttatgctttt cttgcagtat ntgaaaggcc cgattaacaa aacaanagtc 50
 ccaanacccc ttttcttttt tgggtgtatc nctagntgca ggtgctgtgt 100
 tccttagtgt catctatttg acttatacag gttacattgc accatggagt 150

ggcagggtttt attcattgtg ggatactggg tatgcaaaaa tacacattcc 200
aattattgca tcagtgtntg agcatcaacc tacagacttg ggtgtctttc 250
ttctttgatc tacatattct tgtatgtacc ttcccagcag gcctttgggt 300
ntgcatcaaa aatatcaacg atgaaagagt atttgttgct ctatatgcaa 350
tcagtgctgt ctactttgct ggagtgatgg tgcgactgat gttgactttg 400
actccagtcg tgtgtatgct gtctgcaatt gccttttcaa atgtttttga 450
gcactatttg gggggagcgg ccgc 474

<210> 455

<211> 525

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 28, 57, 91-92, 98-99, 127, 133, 151, 178, 221, 236, 239, 267,
295, 301, 325, 349, 381, 396, 426, 441, 481, 498, 501, 516

<223> unknown base

<400> 455

gccagaaaac ccttaagaaa aaaagcgnag gaaattttcg ccaaagctga 50
aagatcncag cggcctgaga aaaaagtttg ccccaaaaag nntgttttna 100
aaaggccaag gaggaagccc ccttttntcc ctngggcact tgtatttttt 150
naaccctgct ttccccaaat cccactnat gaggatcagc ccatgggtgg 200
atTTTTgcga tgatttcttg ngtcctggag tctttntcng gtcaacgggt 250
ttcttggtat atttgcncta tgtagctgat gtcaattcag gagcncggag 300
ngaagtacaa gcttatggat gggtnctcag cccacctttg cggctagtnc 350
ttgtcagcag cccggggccat tggagcatat nttttctgcc agtttnccga 400
gacagcctcg ttgtgctggg ggccncagc ggtggctctt ntggacatct 450
ggttcatctt agtggctggt ccagaatcct ntgcatgaga aaatgagncc 500
nggtttcctg gggagntgcg gccgc 525

<210> 456

<211> 506

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 94, 139, 162, 195, 257

<223> unknown base

<400> 456

tccttgtaa acatgaaggg ccccggtagc catggtttgg ccaccttcat 50
tccaagcacc ccgccccagc aaggcctcct ggtaccttg tcanccactt 100
gttgtagaag gtgatgccga tggagaagca gtagtagana agcaccagcc 150

ccagggtcaa cncgccttc cacaaaaagc cacatcgagg gccncctcc 200
 ccattcgtgg cggctgcagc accggagctc ctgagtcagc gggggcaggg 250
 acccctnttg aatacaatgt gcaggaagag ccggtggagt tagaccacag 300
 ctttcaccaa gaacgtctcc aggctggagg agctctctgc agctccatga 350
 ttcggaacca tcagcagagc cccaggcaga gtcctcacct aaggggctgg 400
 tggctgggtgc tgacccttcc catgggttaat tggatgcagc gctcacaggt 450
 cccaaggtct gctcggccct gggagctcca ggccggaatt tttggccagt 500
 gtggcc 506

<210> 457
 <211> 194
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 36
 <223> unknown base

<400> 457
 tgctcccctc tctcctctcc acaatctcac ccattntgca tgtgccggtg 50
 ccctttcctg tcatcccacc tttctctgag actgtgttct tttttcttaa 100
 ttctgttttc tgtttgttct ttaggttgca tagtctttat tgatatttct 150
 ttgaattcac tgattcttct gccagctcag tctgttggtg agcc 194

<210> 458
 <211> 480
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 40, 61, 105, 128, 193, 217, 229
 <223> unknown base

<400> 458
 gattacaaaa acaaaaaatg ttttaatttaa gtgaaagggn ttaataattt 50
 taatctggga ntttaataatt cagtggaaat tttaaataaa tagttactat 100
 aatcncaa attgagagt caactttntt tttccccaaa acatacatga 150
 aaggtctgtg tgtgtaagct ctgattttca ggaccctat ttntggaagc 200
 agagtaactg gaaatantaa gtcaagatnt gaaaaccatt tgaagttaac 250
 caaaaagcac aggctactaa ggcagggtgca gcatcaatga ttcactacat 300
 gggttctgata tcagctcgct tgggtactact cactttgtgt ggatgggtac 350
 tttgttggtg cctcgtcaat ctctttcgaa gccattcagt cctcaatctc 400
 cttttccttg gctaccggtt tgggtgttat gttcctcttt gctgttttca 450

tcaagatagt agagcacatc ttcttctcac 480

<210> 459

<211> 564

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 57, 73, 84, 93, 105, 147, 150, 156, 235

<223> unknown base

<400> 459

cggctccgaat atccggaacc tgacccaatc cttggccttt gaaactttca 50
ttttttngtt gtctgcctca acncgtcagg tggngcccaa acnttggtta 100
agtcnagatc cgggggaggg tacttcatgg ccttggactc catattnttn 150
tgcatntacg tggtgaaagc cctgctcaag atcatcgccc tgggcctctt 200
ggtacttctt tgacttctgg aacaatttgg acttnttcat tatggccatg 250
gccgtgctgg acttcttgct gatgcagacc cactccttcg ccatctacca 300
ccaaagcctc ttccggatcc tcaaggtctt caagagcctg cgggccctga 350
gggcaatccg ggtcctgcgg aggcctcagct tcctgaccag cgtccaggaa 400
gtgacagggg ccctggggcca gtccttgccg tccatcgag ccatactcat 450
cctcatgttt acctgcctct tcctcttctc cgcggtcctc cgggcactgt 500
tccgcaaate tgacccaag cgcttccaga acatcttcac caccatcttc 550
accctcttca cctt 564

<210> 460

<211> 565

<212> DNA

<213> Homo Sapien

<400> 460

caaagaaaag aaaagggcac ttccggagcaa atcatacact aggcctttga 50
tgctttaatt cttcttcagt tcattaaaag taactactaa ggaaagggtta 100
aaaacttccc ctcaaaaagg aatcaacccc aggaagtaat catttacaac 150
gattttccca aattttgaca atctgtcctg gaaagcaaac cccttttaaa 200
atctaagtgc tgggctttga gtattagctc atttaggggtg gacaaatgca 250
ttactgtttt caaactgctc acatttattc agtatttctc caagttgcta 300
tctactcagc cttatgaatg cccctcgctt ttctaaggcc atgtgaaaat 350
cacggcactg cccttagcct tgtgtcatct gctttttcgt tctgcatat 400
gccagttcc caaatcaatt ataggtacct gtttaggaga gaggaagatt 450
ttacctctca aagggtgaga tttgaaattt acactaaaaa gacaacttta 500

catttaatgc ttcacttaat gagacattct tttttttata agtctatttt 550
tctactcagt ttcag 565

<210> 461
<211> 563
<212> DNA
<213> Homo Sapien

<400> 461
atgcagttgt taaggtttac tgcccttgcc attttaatta tgaggctaaa 50
gatgtttttg acgctgcaca tgtgtgtatg gcttccttga tatgctctcg 100
cagttctttg gtggcttttt cgcagagttc gttttgataa tgttatcttt 150
ggcattctaa cagtgatgtc aatacaaggt tatgcaaacc tccgtaatca 200
atggagcata ataggagaat ttaataattt gcctcaggaa gaacttttac 250
agtggatcaa atacaatacc acatcagatg ctgtcttcgc aggtgccatg 300
cctacaatgg caagcgtcaa gctgtctaca cttcatccca ttgtgaatca 350
tccactttac gaagatgcag acttgagggc tcggacaaaa atagtttatt 400
ctacatatag tcgaaaatct gccaaagaag taggagagaa attggtggag 450
ttacatgtga attattatgt tttagaagag gcatgggtgtg ttgtgagaac 500
taagcctggg tgcagtatgc ttgaaatctg tgatgtggaa gacccttcca 550
atgcagctaa ccc 563

<210> 462
<211> 487
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 17, 37, 70, 126, 128, 131, 150, 161, 172, 234, 299, 321, 368
<223> unknown base

<400> 462
gaagtgggccc caacatntga caaaactccc aatgaangat tccccgcttg 50
aaacaatggg ggcagggctn ccggcttcga ggggcaagtt tcaagcattc 100
aaciaagggt cccccggaaa atttcnangg ngccaacac tcagtgcccn 150
cagcccagcc ncagaaccca anacataagg catgtcatcc acaagctctc 200
ctttgggggac aacgctacag gtccagaaca tccncggagc tttcaatgct 250
ctcggggggag cagacagact cacctccaac cccctggcct cccacgacnt 300
acatcctgaa gattgtgccc ncggtttatg aggacaagag tggcaagcag 350
cggtaactcct accagtanac ggtggccaac aaggaatacg tcgcctacag 400
ccacacgggc cgcacatcc ctgcaatctg gttccgctac gacctcagcc 450
ccatcacggg caagtacaca gagagacctg cggccgc 487

<210> 463
 <211> 535
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 59, 66, 82, 227, 440
 <223> unknown base

<400> 463
 tatcaagggg cgggttttgg atttaatggg gggaaaaggg gggaaaaggc 50
 caggatccna actggngaatt ttggtgattt tnggggccct ttccgctttc 100
 cggccgggaa gggctgccag ggtatatattt cttttttccg atcctgcaac 150
 agcctcttta aactgtttta atgagaatgt ccttggtctca gagagtacta 200
 ctcacctggc ttttcacact actcttnttg atcatgttgg tgttgaaact 250
 ggatgagaaa gcaccttgga actggttcct catatttatt ccagtctgga 300
 tatttgatac tatecttctt gtcctgctga ttgtgaaaat ggctgggcgg 350
 tgtaagtctg gctttgaccc tcgacatgga tcacacaata ttaaaaaaaaa 400
 agcctgggtac ctcattgcaa tgttacttaa attagccttn tgccctcgac 450
 tctgtgctaa actggaacag ttactacca tgaatctatc ctatgtcttc 500
 attcctttat gggccttgct ggctggagcg gccgc 535

<210> 464
 <211> 451
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 57, 59
 <223> unknown base

<400> 464
 aaaaggccaa ttttaagcaa aatataacaa aacgagaagt ggaggatgac 50
 ttgggtntna gcatgctgat tgactcccag aacaaccagt atattttgac 100
 caagcccaga gattcaacca tcccacgtgc agatcaccac tttataaagg 150
 acattgttac cataggaatg ctgtccttgc cttgtggctg gctatgtaca 200
 gccataggat tgccataaat gtttggttat attatttgtg gtgtacttct 250
 gggaccttca ggactaaata gtattaagtc tattgtgcaa gtggagacat 300
 taggagaatt tggggtgttt ttactcttt ttcttggtgg cttagaattt 350
 tctccagaaa agctaagaaa ggtgtggaag atttccttac aagggccgtg 400
 ttacatgaca ctgttaatga ttgcatttgg cttgctgtgg ggagcggccg 450
 c 451

<210> 465
<211> 573
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 33, 79
<223> unknown base

<400> 465
cactggccaa accattatat ggcataactct ggntacgtgg tctgcctggt 50
attggaaaga tatattaaga atccagttnt ggattgcagc tgttattttt 100
ttgggaatgc ttgaaaaagc agttttttat agtgaatacc aaaacatcag 150
caacactgga ctgtcaaccc aaggcttatt gatatttgcg gagttgattt 200
ctgcgattaa gaggacgttg gctcgccttc tcgtgatcat tgtgagcctg 250
ggctatggca ttgtgaagcc tcgttttagga acagtcacgc accgggtgat 300
cggactgggg cttctatact taatctttgc agctgttgaa ggcgtgatga 350
gagtcattgg gggttctaac catttagctg ttgttcttga tgacattatt 400
ttagcagtta ttgactccat ttttgtgtgg ttcattttta ttagtttggc 450
acaaactatg aagaccctaa ggctaagaaa gaacactgtg aaattttcat 500
tatatagaca ttttaaaaat actctgatct ttgctgtgct ggcttctata 550
gtgtttatgg ggtgggcggc cgc 573

<210> 466
<211> 506
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 19
<223> unknown base

<400> 466
tggatggtac cctggccent ccagagtccc agggcaatgg gtccattttc 50
agcccaatgt ggtgtacatt accctacgct ccaagcgcag caagccggcc 100
aatatccgtg gcaccgtaag cccaagcgca ggaaaaagca tgcagtggca 150
tcggctgccc cagggcagga ggctttggtc ggaccatccc ttcagccgca 200
ggaagcggca aggggaagctg atgctgtagc acctgggtac gctcagggag 250
caaacctggt taagattgga gagcgaccct ggaggttggt gcgggggtccg 300
ggagtgcgag ccggggggccc agacttcctg cagcccagct ccaggagag 350
caacattagg atctacagcg agagcgcccc ctctggctg agcaaagatg 400
acatccgaag aatgcgactc ttggcggaca gcgcagtggc agggctccgg 450

cctgtgtcct ctaggagcgg agcccgtttg ctggtgctgg aggggggtgc 500

ggccgc 506

<210> 467

<211> 410

<212> DNA

<213> Homo Sapien

<400> 467

aacctgtgac gttagtgtgt tcttactagc tttaatttgt atgtagcaat 50
gaattgtgaa tcttagtgca gtgggttttt ttaaaaaact caaaaagctg 100
ggaattaagg gtttcagtaa taatgctata ccgagggtgct tgcattgtat 150
ttcataattt tgttacaaac caaaattatt tttaatgaga acagtcttgg 200
gttcagaggt gtgatgccag aatgtatttt cgtactgtta ggcccttgga 250
acagataccg gtgctttctg aaagatgaaa gaaatgcaat ggggtgctctt 300
catgcaaggt tgcaaaccta ccaagaatgc ataatagtct cacttttccc 350
caataaagag atgcgtgtga ctagttttgg acttttaacc ttaatgggga 400
tggcgccgc 410

<210> 468

<211> 395

<212> DNA

<213> Homo Sapien

<400> 468

atggtcctgg gcatccattg acctgctttc tgtccctgta gattagtttt 50
gcctgttcta gaattttatg tatgtaaggg aatgatgact atgtatgttt 100
gtgtttggct tattttttacc agcaagtttt tgaggttcat gttattgtgt 150
glatcagaag ttagtttcta ttattgctc agtagtattt cattctgtga 200
atttaccatg gtctgtttta tatattcatc tattgatgat gaacatttag 250
attacttttc gtttttgcct attaaaaata aagttagtat gaatatgcat 300
gtacaagttg tattgtggat atactttgtg ataataacta gaaccaggag 350
tggttcaaaa tttaatttac acatctactc cctgtgttat ttgcc 395

<210> 469

<211> 558

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 53, 122, 235

<223> unknown base

<400> 469

tggctgaaaa tttttgga aaagaatatt ttctttttaa taggtaactt 50

aanatatttt attcattgtc gcccagtgt acaagaggaa tcagttaaac 100
 tcctgtgtcc aggccagtac cnccaattaa tgcacttgta gctactgaat 150
 tccagccaag ataaatataa tttaatctag tgcttcagga aatgagttga 200
 tcatcaaggg agttagaatg gaaaaacatt tatgnataat tttaaaggac 250
 attggactta actgttttga atgaatgagc ttgatttttt ctatacatat 300
 tataagttaa tataaaaaaa ggctttgggt agactccgta tgaccttatg 350
 tatttgattt catgagtttc attttctgca gtaactttat cattcatttt 400
 tcatctctta ggctggaatg tagtggaataa agaactgaac taggagttag 450
 aagatttaag ttttggctct ggctccatca catactggca gtgatgatct 500
 tagccaagtt tgaactgctt atggcgggggt cttgtttatt catttcagta 550
 tttccaac 558

<210> 470
 <211> 552
 <212> DNA
 <213> Homo Sapien

<400> 470
 agttaccctc actttaccaa ggactttgct cggcgtttat tagtgctggt 50
 tgggtagcat tcccattgct cacaagctc tgtgtgcata aggacttcaa 100
 gcagcatggt gcccaaggaa aatttattgc tttttacctt ttggggatgt 150
 ttattcctta tctttatgca ttgacctcat ctgggcagta tttgagatgt 200
 ttacccttat cctcgggaga agtgggttctg aaatcccacc tgatgttgtg 250
 ctggcatcca ttttggctgg ctgtacaatg attctctcgt cctattttat 300
 taacttcacg taccttgcca agagcacaaa aaaaaccatg ctaactttaa 350
 ctttgggtatg tgcaattaca ttctccttg tttgcagtgg aacatttttt 400
 ccatatagct ccaatcctgc taatccgaag ccaaagagag tgtttcttca 450
 gcatatgact agaacattcc atgacttgga aggaaatgca gttaaacggg 500
 actctggaat atggatcaat gggtttgatt atactggaat ttctcacata 550
 ac 552

<210> 471
 <211> 549
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 25
 <223> unknown base

<400> 471
 gaggcattgt gaatgggtgc agtgnagctt aggtataaca tcatcaagtg 50

tggtcacacg cggggtcggg tttaatggag tgtccacgcg gagataactg 100
 cgatattgga acacctgtga gagagattgt tctatagggt ggaatattca 150
 gagttacatt cttggaagtt tctgttttta cttgcatcaa acacccctct 200
 gttgttctcc atcatcttta atagcaactg gagaccactt tggtcattgg 250
 taagggggtg cattctcctc acaaaggggt tttatggact tcctcaggcg 300
 gagagcttct gagaacacag gcaggatgga aaaagactac tagccacttt 350
 tgctttccca acccccctta atgccatcct tcattgtctt tctggcttct 400
 cttcttctgg cacagtacca ttttgggtct gtgccccagt gtggagcaaa 450
 acattgcctg tcccattctg atatacttca gaatttgaga gcagaagtta 500
 atgtggaaca aaagttttca ccatctctca agccccaagg actggagcc 549

<210> 472
 <211> 510
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 46, 95, 404
 <223> unknown base

<400> 472
 attaggctgt ttgggagcat tcccattgct cacaaaagct ttgtgngcat 50
 aaggacttca agcagcatgg gcccaagaaa atttattgct ttttnccttt 100
 tggggatggt tattccttat ctttatgcat tgtacctcat ctgggcagat 150
 ttgagatggt taccctatc ctcgggagaa gtggttctga aatccacact 200
 gatgttgtgc tggcatccat tttggctggc tgacaatgat tctctcgtcc 250
 tattttatta acttcatcta ccttgccaag agcacaaaaa aaaccatgct 300
 aactttaact ttggtatgtg caattacatt cctccttggt tgcagtggaa 350
 cattttttcc atatagctcc aatcctgcta atccgaagcc aaagagagtg 400
 tttnttcagc atatgactag aacattccat gacttgggaag gaaatgcagt 450
 taaacgggac tctggaatat ggatcaatgg gtttgattat actggaattt 500
 ctcacataac 510

<210> 473
 <211> 471
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 70
 <223> unknown base

<400> 473
gattgcaagg aggattttat atgatagtca tagcttgtct ttaaaagttt 50
ggtatgtgat aatatcagan cagtaaaagg ctatttcaca ttttaaaact 100
aaatctttat taaataatta tttcacaagt tagtaattat tgatattctt 150
cttcagggac tagagttcct atgcttccta aactgacttt taaggaaaga 200
tgagactata ttcagtgcag ttttaatatg acatatttta ttatctctta 250
tttttttaa at tgatatttta tgaaggagtc tatggactat aatacgaaaa 300
ttctgggttg ggaggcagga aacctggctt tcaagtacac tccaatagct 350
tttatataaa attcaggtgt tctttttctc taatacttga aatagctatt 400
ttcattttca tgtcattttc tgtacttttc ctgatacttt taaacattgt 450
tttattttca aatgaacagc c 471

<210> 474
<211> 379
<212> DNA
<213> Homo Sapien
<220>
<221> unsure
<222> 27, 77, 96, 101, 109, 117, 124, 185
<223> unknown base

<400> 474
ttcccgaat tttcagaaaa atgggantaa aagaaactat tttgtaaaat 50
aaaaaagctt ccatttttta tgaccancat gtattaagat ggaacntact 100
ntacgaaanc gaagtntat ggtntcgaaa agcccgtgcc tgttttaaac 150
ttgatcctaa ctaaaaacag acttgagtgg atatnagaat gttgggttagt 200
ggcagaagag tcaaaaaatg gcagttaatt attcagttat ttgctacttg 250
tttttttagcg agcctcatgt ttttttgga accaatcgat aatcacattg 300
tgagccatat gaagtcatat tcttacagat acctcataaa tagctatgac 350
tttgtgaatg ataccctgtc tcttaagca 379

<210> 475
<211> 446
<212> DNA
<213> Homo Sapien

<400> 475
tttagaaatg gtatggcaga atccagaaaa tgctttattg aagacagtca 50
ttgatcacca gtacacttga tctccagtag agacatatgg tggaacagaa 100
gcctggatac aggactcaga ctcttactgg ttggtatcat acgtgatcgt 150
ttgattcagt tcatctctaa attgcagttt gccgtgactg tgcttttgac 200
atcatggaca gagaaaaaac aacgtcgaaa aacaactgcc actttatgta 250

tactcaacat tgtcttttct ccattcgtgt tggatcatcat agttttttct 300
acactactct cttctccctt actccctctt ttcacccttc ctgtgttctt 350
ggtgggggttt ccccgaccta ttcagagttg gccaggagca gcaggcacca 400
cagcctgtgt gtgtgcagat acagtgtact actaccaaact ggtgcc 446

<210> 476
<211> 451
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 37, 43, 81, 83, 126, 206, 244, 256
<223> unknown base

<400> 476
gggtgctctt tttcaattca ggaacatcaa catttantaac acngtgggggt 50
gggatcctta caaatcatcc tgcttttttg nanatcactg gctactaagg 100
caggtgcagc atcaatgatt cactanatgg ttttgatata agctcgcttg 150
gtactactca cttttgtgtg gatgggtact ttgttggacc ctggtcaata 200
tctttngaag ccattcagtc ctcaatctcc ttttccttgg gtanccggtt 250
ggtgtnttat gttcctcttt gctgttttca tcaagatagt agagcacata 300
ttcttctcac agactacaaa tatgtgggtc agcacgaggc agtagaggaa 350
agtgcctcga ctgtgggagg cttggccaaa tccaaagact ttctctcctt 400
gttgctggag tcgctaaaag aacagtttta taatgccaca cccatcccca 450
c 451

<210> 477
<211> 527
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 7
<223> unknown base

<400> 477
ggccacnctg gccaaataag ggcaaaaagc tttatttttt tgaacaggaa 50
aacatgtttt ttaaattcac atgttttgta tgagactttt gcgaagcaag 100
gcatgaactg ctaggtatta ttaagaatga atgatttttg catttaagtt 150
gtttgaaggc atgtattttg aaaaatatct gttacaaatt tataatttca 200
agacaaattg aatcttattt tataatactt ttggaatttc attaataagg 250
ctaaaatttg aggaatataa ctaattttca gccttaagac atttaagttt 300
ggaagtcctt gctattcaac agaataacaa gaaaacttca gaatgtatca 350

ctctcctgaa aagaagatat taataagccc ttttatttat ggttatagtt 400
ttatttatag tctcaaaatt cctaaagcaa tgctacaacc attgaatttg 450
ccatattttg tatcagtgct gttaatttgc tgttgcctca agaaaaagtg 500
ctttttctcc atggatgagg cggccgc 527

```
<210> 478
<211> 332
<212> DNA
<213> Homo Sapien
```

```
<400> 478
cacacacaca cacacacaga aattttgaga gccatttttaa tataattgcc 50
tccctagaaa catacctttt agggcnatttt tatcactaaa ccacatgtta 100
tttaaatacg gtacatgttt aacataaata catacataaa attcacatgc 150
atacttaaca cttatgttaa atatattcaa tgtatataca tatgtacaca 200
atatatgcat atatacatgt gggatatgtgg tatgtgtgca tgtgtgtgta 250
tggccagcta cataaatttgt gggactaagg gcaaaatgaa actgtacggc 300
cctcgttcaa aaattaggtg tggagcggcc gc 332
```

```
<400> 479
  accaatcaga tgtatttagg gatttgggat attctaccag gtgttgtgaa 50
  atgtcaaattg gaacaagcgt ttcattctga ttttggaact gaattggaac 100
  caagaaaaga aatagtgcta tttgataagc caactagagg aactactgta 150
  caaaaattta aagaaatggg ctatagtctc ttttaaggcaa aattgggtga 200
  ccaaggaaac ctctctgaac tggttaatct catcttgacg gtggctgatg 250
  gagacaaaga tggccagggt tccttgggag aagcaaagtc ggcattgggca 300
  cttcttcaac tgaatgaatt tcttctcatg gtgatacttc aagataaaga 350
  acataccccc aaattaatgg gattctgtgg tgacctctat gtgatggaaa 400
  gtgttgaata tacctctctt tatggaataa gccttccttg ggtcattgaa 450
  ctttttattc catctggggt cagaagaagc atggatcagc tgttcacacc 500
  atcatggcca agaaaggcca aaatagccat aggacttcta gaatttgtgg 550
  aaqatgtttt ccatggccc 569
```

```
<211> 540
<212> DNA
<213> Homo Sapien
```

```
<220>
<221> unsure
<222> 41
<223> unknown base
```

```
<400> 480
cccgccatga ctcggagact gaggacatgt atgggacgac ntgctacatg 50
gccagagtg ccggtcatct gtcaccagtg acagtgaggg ggcccatgtg 100
aatacccttc actcagggcc aaacgtgccc caaagaggat gtttttcagc 150
agaatcattt attctggctt cagaattcaa gtccttcctc tgatcgagtt 200
aggcaataat ctgggagggg aatgagtgca aaaagatgga tatgtctgtg 250
ttggaaataa gtggcatcat catgagcagg gtcaatacct atcagcaagg 300
agtaggttat cagatgctgg gaaatgttgt cactattgga ttagcatttt 350
ttccattctt acatcgactt ttccgtgaga agagccttga ccaactaaag 400
tccatttcag ctgaggagat cttgactctc ttttgtgggg caccacctgt 450
tacacctatt attgttttgt cgataattaa tttttttgaa agattgtgtc 500
ttacttggat gttttttttc atgatgtgtg tggcggccgc 540
```

```
<210> 481
<211> 77
<212> DNA
<213> Homo Sapien
```

```
<400> 481
ggccacactg gccaaagagc atatttgatc actttgattc tctgttcttt 50
tctctccgcg qtqtgtgtgg cggccgc 77
```

```
<210> 482
<211> 560
<212> DNA
<213> Homo Sapien
```

```
<400> 482
aaagacccag tcatggcaag cctccaagca tcagttcacc atgggggaaag 50
catgtgttca aagccattct gatggtccta agtggccctt atcctcctcc 100
actcagcatt ggcccagtcc cgtcgagact ttgcaccacc aggccaacag 150
aagagagaag ccccgattga tgtcttgacc cagataggtc gatctgtgcg 200
agggacactg gatgcctgga ttggggccaga gaccatgcac ctgggtgtcag 250
agtcttcgtc ccaagtgttg tggggcatct catcagccat ttctgtggcc 300
ttcttttgctc tgtctgggat cgccgcacag ctgctgaatg ccttgggact 350
agctggtgat tacctcgccc agggcctgaa gctcagccct ggccagggtcc 400
```

agaccttcct gctgtgggga gcaggggccc tggctgtcta ctggctgctg 450
tctctgctcc tcggcttggt cttggccttg ctggggcgga tcctgtgggg 500
cctgaagctt gtcattctcc tggccggctt cgtggccctg atgaggtcgg 550
tagcggccgc 560

<210> 483
<211> 581
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 134, 187, 224
<223> unknown base

<400> 483
caaaacgatt ttattgccaa accctgtgca ctccgattgg catcgaggac 50
agtggtcctt atcaggccca acccaatgcc atccttgaaa aggtgttcat 100
atctattacc aagtatcctg ataagaaaag gtgnagggcc tgtcaaagca 150
gctggattgg aatgtccgaa aaatccaatg ctggttngcc atcggaggaa 200
tcaggacaag cccccaacgc ttantaaatt ctgtgaaagc atgtggagat 250
tcacatttta tttatgtata ttctgctatg gaattagatt tctctggctg 300
tcaccttggt tctgggacat ccgacagtgc tggcataact atccatttca 350
gcctctttca agtgggcttt atcactatta tatcatggaa ttggccttct 400
attggtcctt tatgttttct cagtttacag acattaaaag aaaggacttc 450
ctgatcatgt ttgtgcatca cttggtcacc attgggctta tctccttctc 500
ctacatcaac aatatgggtc gagtgggaac tctgatcatg tgtctacatg 550
atgtctcaga cttcttgctg ggggcggccg c 581

<210> 484
<211> 358
<212> DNA
<213> Homo Sapien

<400> 484
tctaggtcca ttgtcacctt ttctggcacg acagcctccg cccacccgca 50
ttccccaggc caagctgggtg gccatgcttc agacacgaga cccaccaagg 100
gcctccgcca gaccacgggtg cctgccaaagg gccaccctga gcgcccggctg 150
ctgtcagtgg gggatgggac ccgtgttggg atgggagccc gaacccccag 200
gcctggggcg ggcctcaggg accagcaaat ggccccatcc gctgctcctc 250
aggccccaga agccttcaca ctcaaggaga aggggcacct gctgcggctg 300
cctgcggcat tcaggaaagc agcttcccag aactcgagcc tgtgggccta 350
gcggccgc 358

```
<210> 485
<211> 583
<212> DNA
<213> Homo Sapien
```

```
<220>
<221> unsure
<222> 32, 61, 95, 100, 110, 190, 205, 228
<223> unknown base
```

```
<400> 485
ctggccaaac atatggggga tgaaaataaa anaattacat atgaagattc 50
aaaaccatcc ncaggaatga attacacgcc ctcccaggca tcaanaagcn 100
caggaggagn cagttatgaa gtcaaaggta tagatgcaaa atgaaccaac 150
aaaaggaagt ttttttttga aaagcagtaa aaaaaagctn caagaaacac 200
ccaantgaag caaatcacgt acaaagantg agacaaatgc tggcttgccc 250
tccacatggg ttactggaca gggtcataac aaatgttacc atcattgttc 300
ttctgtgggc tgtagtttgg tcaattactg gcagtgaatg tcttcctgga 350
ggaaacctat ttggaattat aatcctattc tattgtgcca tcattgggtgg 400
taaacttttg gggcttatta agttacctac attgcctcca ctgccttctc 450
ttcttggcat gctgcttgca gggtttctca tcagaaatat ccagtcatc 500
aacgataatg tgcagatcaa gcacaagtgg tcttcctctt tgagaagcat 550
agccctgtct atcattctgg ctcggtgcggc cgc 583
```

```
<210> 486
<211> 454
<212> DNA
<213> Homo Sapien
```

```
<220>  
<221> unsure  
<222> 58, 152, 315  
<223> unknown base
```

```
<400> 486
  tgcacgcgtgg  ggtatgtaca  atgtttacgc  atgtgagtg  gtgtaaagtg  50
  tgtgtatnaa  gtgtgtgtgt  acatctgtgc  agctggtcac  cagcatgtac  100
  cttcacaagt  tagattttgc  tggcatatcc  acgagctgtc  accactgtgc  150
  cntgggcatt  gagctttttg  aggcttgtgt  gttggcctgt  cccagggctc  200
  tgccatcgtc  agtattggcc  ccactcacag  atgttctttc  ctgggttggg  250
  ccagctcctt  ttggacactt  ttgagatcca  cctcgggccc  gtctgcgttt  300
  gcgatgctgc  ttttntgtgg  ctccttcagg  ctaactgggac  tgttcccttc  350
  tggcattgcc  ttcggcagca  cttcgaggaa  ctcagcctcc  agggcctcct  400
  gttgtccttg  aaaatgcagt  tttatttcat  tattttttatt  tattttatttt  450
```

tggg 454

<210> 487
<211> 196
<212> DNA
<213> Homo Sapien

<400> 487
ctcaaaatta aagtatcaaa caggggtcct cagaactgtc tcacttcctc 50
ctgctcccat caatattaaa gcctaaaact caagaatcat tcttagcagt 100
ttttttctct tttttctttc ttttcttttt tttctttttt gagacggagt 150
ctcactctgt cgcccaggct ggagtgcagt ggcgacagag tgagac 196

<210> 488
<211> 226
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 124
<223> unknown base

<400> 488
gtgtgtgagt gtgtgtgtgt ttaatgtacc taattctgta aaggatttta 50
agtgattttt tcaaagtga cccaataaaa taaaaacaat atgcgtgcat 100
gtgttttata aaagtaataa aacnagttat tctgcttttt ctagtcttag 150
ttacttactt acatatttat ttgggggggtg tgatgttctt tttaaaagga 200
actcctgtga cacctgttac tccggc 226

<210> 489
<211> 398
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 53, 61, 143, 260, 293
<223> unknown base

<400> 489
gcagctgcct attgcacttg tgaaaaaggt ttgtatgttc aacactgctg 50
ggntggctca nagttgggag tgaatcctcc aagggataag cttggagaac 100
tttttgaaca gtcaatctgt aaaggtgttt gcaatcccaa ggncaatgga 150
ctagattatg aaggctctcg ggtggaccca ctgttcctct ctgtttatta 200
agctttttga aggagagaga tgagggcagg acatgtgaca acggtgcttt 250
tccttatgcn tatatcgctc tccaacagca tcctttccaa atntatagcg 300
cttcaaagat tccaggacag atcggaaga gccagtgtcc atagaaacct 350
ggggttgttc agaagaacgg tgttctctgt gtttgtgacg gtgcctgt 398

<210> 490
 <211> 568
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 52, 63, 87
 <223> unknown base

<400> 490
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 cntgtggggc ccntggacct gccaaacatc tccgggngca tgcaaaaagg 100
 tctcctactt tcaactgcacc ctcatcggat actttgtagg cctgctcact 150
 gctactgtgg cgtctcgcac tcaccggggc gccagcccg cctttctcta 200
 tttggtgcca tttactttat tgccactcct cacgatggcc tatttaaagg 250
 gcgacctccg gcggatgtgg tctgagcctt tccactccaa gtccagcagc 300
 tcccgattcc tggaagtatg atggatcacg tggaaagtga ccagatggcc 350
 gtcatagtcc ttttctctca actcatgggt tgtttcctct tagagctggc 400
 ctggtactca gaaatgtacc tgtgtttaag gaactgccgt gtgactggat 450
 ttggcattga aaggagctc gtttgcagga gagagggtgct ggagccctgt 500
 ttggttcctt ctcttcctgc ggatgtagag gtggggcccc ttccaagagg 550
 gacaggcctc tccccagc 568

<210> 491
 <211> 552
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 36, 42, 74, 92, 168, 177, 232
 <223> unknown base

<400> 491
 aagactccca aggaagttgt tgaactatat ttgganaaac angccactga 50
 atattatcat ttttcctttt aanagaggtt ttgtaagggg gnaaacatgc 100
 atttttatcc agacaattta tccaaagcat ttcagaacat gaagtgctga 150
 tgagggcacc tcttgtgntg agtcccntaa gctatcaagt gttcttctca 200
 aggacacatt tggaagggtt taacattgaa antgagcgga ggacttgggg 250
 gcagagcagc acaaagaaac agccttacac tgggcacatg gaggagacgt 300
 ccacctgca gccaggattg gggttcacgt cactgccaga gctacactcg 350
 ccttctgctt ccacggtcct gttaattcta gatcagagag caagaaaaaa 400
 gtacagaaca tctcctctac ggttatttcc tgctttctaa ttaaaaaaat 450

aataaccatg gcaagagaga aagaaagaga aagtactcag aggctgacac 500
tgacatttca cttcctcgct ctctaagtt taattacaac agcacgtgca 550
gc 552

```
<210> 492
<211> 579
<212> DNA
<213> Homo Sapien
```

```
<400> 492
tgcagcattg gcagcaacaa aaatttctag tttggntgat gattttggag 50
aattcagcct ttttggggaa tattttggtc tagcacctgt tggggagcag 100
gatgactttg cagattttat ggctttcagt aatagcttta tttcatntga 150
gcaaaagccg gatgacaaat atgatgccct taaagaggaa gccagtcctg 200
ttcctctaac cagcaacgtg ggcagcacag tgaaggggtg acaaaactcg 250
actgctgcgt ctaccaagta cgatgtcttc agacaacttt ctctggaagg 300
gtctggacta ggtgttgaag acctgaaaga taacactcct tcaggaaaaa 350
gtgatgatga ttttgctgac ttccactcca gtaaattttc ttccataaac 400
tcggacaaat ccctgggaga gaaagcagtg gctttcagac acaccaaaaga 450
agactctgca tcagtgaagt ccttagatct cccttccatt ggtggcagca 500
gtgttggcaa ggaggactct gaagatgcac tctctgttca gtttgacatg 550
aaattggctg atgtgggagg agcggccgc 579
```

```
<220>  
<221> unsure  
<222> 23, 89, 166, 192, 339  
<223> unknown base
```

```
<400> 493
gccctatcca ggttaccctt ccnaagggaa accagggtttc tttaaaaaaat 50
taagcagccc ggggccggtg ggctcacgct tgtaatccna gcctttgaag 100
cccgaggcgg cggatcacct agaagatgac tcaagaccgg cctctgcttg 150
ccgtgcagga ggcgtnaaga agtgcttccc cgtgggtggag ancagcaggg 200
cctgtgcaga gtgccctgcg ggactgccag cccctcctgt cctccctcag 250
caacctggcg qaacagctgc aggccgcaca gaacctgcgg tttgaggatg 300
```


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tgccggcgct tcgggccttc ccagatttaa aagagcggnt gaggcgtaag 350
cagctggtgg ctggtgacat cgtcctggac aagctagggg aaaggctagc 400
catcctcctc aaggtgcgag acatgggtcag cagccatgtg gagcgagtgt 450
ttcagatcta tgagcaacac gcagacacag ttggcattga tgctgtcctg 500
cagccttcag cagtgaagccc ctctgtggct gacatgttgg aatgggttgct 550
ggatattgag agacggggcgg ccgc 574

<210> 494
<211> 545
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 35, 40, 114, 133, 284, 359
<223> unknown base

<400> 494
cagcatgaga catcccccca tgcctggggc cattnagatn tttttggagc 50
accagtcact cccagggtttt tatttttaggg gtcacgatt ttacctactt 100
tgtcagactg gtanaagttg ctttgcata canaaaaact ccattttttt 150
ccacaaaagg gattacagaa aactcttttg tgagtgagtg attggaactt 200
agagactcct gttgccagaa tcagactgcc ctagaacaga atggacaatg 250
cagggaggag aattcacaca aacagcacct gttntgaggc ctgtgccagc 300
ccaccaggcc tgctcaaagtg tgggtctttac ttcaagtgc cagaggcaca 350
tgagggtttnt ggtgataaac cagcgtctta ccgctgtttt aaagtcccat 400
ccccatggct ttcacaatca gttccgtttt ttttgctgta cttgataaaa 450
tgttttattct catacaggtc aagtacattt acttctattc acagtgagta 500
ccaataaca acaaaagcgc ttacaaattt gggggggggc gccgc 545

<210> 495
<211> 239
<212> DNA
<213> Homo Sapien

<400> 495
tttttttaaaa aaaaaaaaaa tctcagtata gttctgatta aaatttcctt 50
tctgagtcct aaatgcttta aatcttcttt tcccattctt tttacttctc 100
ctatccatag ttacaagttc ttacgcatga catatctctt ggctgataag 150
tttaactgct taagcacctg tttatgtttc atttttaaca tagccagtta 200
ctattatgct tggatataca caatgagggg agcggccgc 239

<210> 496
<211> 402

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<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 23, 34, 85, 89, 105, 108, 115
<223> unknown base

<400> 496
tgtggaaaaa acagttattg cancggttgc ttanaaaaac ataaaaatgc 50
atccatgggg cttatatttatt caggagaaat ctcanagcnc ctgggagtg 100
tttanagnca ggggntgctt gcacacctctg tggatgtgtg tgtgtgtgtt 150
tgtgcctagg tgtgtgcgca caggtttgtg tgcctgtgtg tgcattgtgtg 200
tgggggtgtgt gtgcattgtgt gtatgcacgt acccgtgtgt gtgtgcacag 250
gtgtgtgtgt gtgtgtgttt gtgtgcctgt gtgtgggggtg tgtgtgcatg 300
tatgcacgta ccagtgtgtg tgtgctcagg tgtttgcgtg cacaatatatg 350
catctgtgtg tatgtgtgtg tgttcacacg tgtgtgtgta tgtggcgggc 400
gc 402

<210> 497
<211> 553
<212> DNA
<213> Homo Sapien

<400> 497
cattataatt aactatagtt actatgctgt atatttgatc acccagaccc 50
atcttataac tgaaagtttg tatcctttga tccaaatccc cacatttttc 100
ccagccactg acaaccacca ctttactctg tttctatgag ttcaactgct 150
ttagactcca catgtaagtg agatcataca gtatttttct ttctgcaactg 200
gcttatttca cttaacataa catcctctag gttcatctat gtttcagcga 250
atggcagaat tttcttcttt ttaaaggctg aatagtgttc cctcaggtat 300
atataccaga tacacataca taagggaata tgtgtgtgtc tcgggtacat 350
gtacataagg gaatactatt ttttactcat tcatgtatgt gtaccagata 400
catatacata agggaaatata tgtatatgtg tctgggtacat atacatgaag 450
gaatgctatt ttttactcat tcatctctca gtggacactt aggttggttt 500
catatcttgg ctattatgaa tagtgctgca ataaatatgg gagtggcggc 550
cgc 553

<210> 498
<211> 576
<212> DNA
<213> Homo Sapien

<220>
<221> unsure

<222> 47, 71, 78, 92, 112
<223> unknown base

<400> 498
ttattgggag atatccatgt ttttcataaa atcaacaaga gaatccntga 50
ttgttcagaa gaaaacaatt ntgaccgnag aatgctgtta cntgaacccc 100
ttatttcgaa gnatcataag attcacaggg gtgttttgcac ttggactttt 150
tgctactgac attttttgtaa acgccggaca agtgggtcact gggcacttaa 200
cgccataactt cctgactgtg tgcaagccaa actacaccag tgcagactgc 250
caagcgcacc accagtttat aaacaatggg aacattttgta ctggggacct 300
ggaagtgata gaaaaggctc ggagatcctt tccctccaaa cacgctgctc 350
tgagcatttta ctccgcctta tatgccacga tgtatattac aagcacaatc 400
aagacgaaga gcagtcgact ggccaagccg gtgctgtgcc tcggaactct 450
ctgcacagcc ttcctgacag gcctcaaccg ggtctctgag tatcggaacc 500
actgctcgga cgtgattgct ggtttcatcc tgggcactgc agtggccctg 550
tttctgggaa tgtgtgtggc ggccgc 576

<210> 499
<211> 330
<212> DNA
<213> Homo Sapien

<400> 499
aaaaaaaaaa aaaaaaagct aaaaaacctt gactaaatct accatgtttt 50
ctcatattat taaaaattct aaacgtgggt ttttttgttt tgttttgttt 100
ttctgtttct ccctctgcag agttgttagc ggttctcgag atgccactct 150
tagggtttgg gatattgaga caggccagtg tttacatgtt ttgatgggtc 200
atgttgcagc agtccgctgt gttcaatatg atggcaggag ggttgtagt 250
ggagcatatg attttatggt aaaggtgtgg gatccagaga ctgaaacctg 300
tctacacacg ttgcaggggc aggcggccgc 330

<210> 500
<211> 440
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 42, 79, 82, 101
<223> unknown base

<400> 500
atcaatggcc acccagcaag accaagttac aaggatcgta tnttgggtccg 50
aagggatgaa agtggcccaa ggggtctcct tntcgggtgaa cgttcagctg 100
ntgcaggacc acgggggaaat tgccaagagt aagcatctcc aggggggagat 150

gacctaacgt ttccaaaaga gaaacaggca gcagggttctt aagcagtgaa 200
 gatgcggacg agatgttgca tgtgggtcct gaggcacagc agtgacttcg 250
 tgcccagagc ctggcagaga ggtcgcaggt gtgccagctt ccctgccagt 300
 cagggcagcc ttgggtgtgt gtgcaagcat gtgtgcacat attgtgtgat 350
 gtgcgtgctc ctgtatgtgt gtgcatatgt gtgtatgcct tgcacagggtg 400
 tgcacagggtc tgaatgtgta tacgtggggg gggcggccgc 440

<210> 501
 <211> 563
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 31, 48
 <223> unknown base

<400> 501
 gaatatcctg caggtatctc tccggcccac ntcttgcct actgagcntc 50
 agccctgatt tgtcatcgtc ggtttcgtga ccctcatcat atttaagcgg 100
 gagctgcaca cggccccac acagcagtgg gcaccaagta cgggatgccc 150
 tccagccatt ccagtttat gtggttcttc tccgtctatt ccttcctttt 200
 cctgtattta agaatgcacc aaacaaacaa cgccagggttc ctggacttgc 250
 tgtggaggca cgtgctctcc ctgggactcc tcgctgtggc cttcctagtc 300
 tcctacagca ggggtctacct gctgtaccac acctggagcc aggtgctcta 350
 tggaggcatc gctggaggcc tcatggccat cgcctgggttc atcttcaccc 400
 aggaggtcct caccocgctg ttccccagga tagcagcctg gcctgtctcc 450
 gagttcttcc taatccgaga cacaagcctc attcccaacg tactctgggt 500
 tgagtacacg gtaaccggg cagaagccag gaacagacaa cgcaagctgg 550
 ggccagcggc cgc 563

<210> 502
 <211> 583
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 81, 126
 <223> unknown base

<400> 502
 ccctgcccac agttaagttc aagttttctt ttcagataat gcctgaaatt 50
 gccagaata gtcagaggat ttaaaaattt ntttgaccac aaatgcacta 100
 aagttttaag taaagcagtt tcttcnttca ttagcatgtg ttttacacta 150

acatttaata agaagccatt tttagtcttg atcttggcag tgttttcttt 200
 aagacttctg atgttatcaa gtatttcatt aaatattaaa ttattattaa 250
 ttactgttag tttaaatata attaggggtt tcaatttggc ttcttaaaat 300
 ggactgaact gtggcatcac gtattttgtc tcattcatgt atgaataaag 350
 cataaatcag tttgttaatg gatgctcata ccactgttta ttttttcaaa 400
 tattttaaca cactttccaa atgggtgggat ttgctttata aatacagttt 450
 tctacttaca catgaggaaa ataataattat ttgcattatg gatgtacact 500
 ttgaaaaact tttcaatgca attatctgtg tatttcacaa tctctgggtac 550
 ttttctcaga ttttaattttg gtggggcggc cgc 583

<210> 503
 <211> 459
 <212> DNA
 <213> Homo Sapien

<400> 503
 aagcctgtgt aaatggatca accaatccca gtacatttgc ttcaagattc 50
 aaacacattc aggtgggggc ttgggacggg atcagcattc atcatgggga 100
 agaaaaccac aggccatcag tggatcatac acagtgtca tcaagaaaga 150
 taacgttact tttaaattgt gggctcaaac tggacagcaa ggtgcacagt 200
 ggaagagagc agaagtgttt ttaggcattc gttcacatac acagattgtc 250
 ttcagagcca aacgtggtat cagttacata ggagatgtag cagtggatga 300
 tatttccttc caagattgct cccctttgct tagcccagag agaaagtgtg 350
 ctgctcatga attcatgtgt gctaataagc actgcgttgc caaagacaag 400
 ctgtgtgatt ttgtgaatga ttgtgctgat aattcagatg agactacttt 450
 catttgccg 459

<210> 504
 <211> 218
 <212> DNA
 <213> Homo Sapien

<400> 504
 aaaaaaaaaa aaaaaaaaaa acctgccaat tttcaaacat accgtagaga 50
 ttatttttcag gtgccatttt atagtatagc agcagggcctt ttactctgtg 100
 tatgcacaga tgcagtctgg ggcatgggtt gtgtgctgga ctttctcatg 150
 gccatcatca gtatgcttat ggatttgatg acaggcatag cctgggcata 200
 tcacctcatt ggtaaagg 218

<210> 505
 <211> 562
 <212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 60, 88

<223> unknown base

<400> 505

tttaagtgc aaaaattatt ttatTTTTTTT cccagtaatt tttaaattgga 50
 attccagccn tggcttattt ttgggagacc cagccatnta ccaaagctga 100
 aggcacaaat gcttattctc gtcactgtcc tttttatgtc agcattcaga 150
 gttactggct gtcatttttc atgggatgat tttatttgta gctttcataa 200
 cctgttgga gaagttacta ctttgagacag gctatcagga taacttccta 250
 tatgaatgaa actctcttat attttccttt ttcacccac tccagttata 300
 ctgtgagatc taaaaaata ttcttatcca agctcattgt ctgttttctc 350
 agtacctggg taccatttgt actacttcag gtaatcattg ttttacttaa 400
 agttcagatt ccagcatata ttgagatgaa tattccctgg ttatactttg 450
 tcaatagttt tctcattgct acagtgtatt ggtttaattg tcacaagctt 500
 aatttaaaag acattggatt acctttggat ccatttgtca actggaagtg 550
 ctgcttcatt cc 562

<210> 506

<211> 485

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 49, 77, 124, 166, 225, 259

<223> unknown base

<400> 506

TTTTTTTTTg acacgagaca taaaaacttt taatgaagga ggacacagnt 50
 cagagccttc cacaatgggg ccaacntgc cccacggaga ccggccatgg 100
 caaccgctca atcagaaggt gttnttgatg cggccggcca ccagcctaag 150
 gatgtccccg atcttnttct gccagttggc gatgtccttg gacacggcgc 200
 accacagctc cccatgccga ggctntgcac tctcacagcg cttcctcacc 250
 tcctcctgnt gctcctcagt gccatgctgc agctcaaact tgtagaagaa 300
 ggcccaggca tccccaggt ccgagtcaat cttcacagtg cgggtggaacc 350
 actccctggc cttggtgatc ttccgctgac tccaaaacag cttggccacg 400
 gccaggagca catgggggtc atgctcacac ttcttcaggg catccacgct 450
 cttggtcctc ctctgggggc ttgcctcgag gaaga 485

<210> 507

```
<211> 503
<212> DNA
<213> Homo Sapien
```

```
<220>
<221> unsure
<222> 47, 63
<223> unknown base
```

```
<400> 507
accctgtttt ttaagcacac ctcaagcggg gcctcgctta ccaatanttg 50
attaaccaca agnaaaagtg tcaagctcaa gacgtcctcc ttttactggt 100
tgtaaaactg tcctgaaaac tatgatcgac gttccggaat tagaaggacg 150
tggggcaatg aaaattatgt tcggtctcag ctgaatgcca acatcaaaac 200
tctgtttgcc ttaggaactc ctaatccact ggaggggagaa gaactacaaa 250
gaaaactggc ttgggaagat caaaggtaca atgatataat tcagcaagac 300
tttgttgatt ctttctacaa tcttactctg aaattactta tgcagttcag 350
ttggggcaaat acctattgtc cacatgccaa atttcttatg actgctgatg 400
atgacatatt tattcacatg ccaaacttga ttgagtacct tcaaagttta 450
gaacaaattg gtgttcaaga cttttggatt ggtcgtgttc atcgtgggtgc 500
ccc 503
```

```
<210> 508
<211> 564
<212> DNA
<213> Homo Sapien
```

```
<220>
<221> unsure
<222> 73, 80, 145, 342
<223> unknown base
```

```
<400> 508
tcgacccacg ggggtccggt aagttgatgg tctgccttgt acatctcaac 50
cattcttgaa ccacttaatc ctntttttgn caacactagt agaacagaat 100
cctgaagata tggagaccta tacctagatg ttgctgaagc ttttntggat 150
gttggtgaat ataattctgc acttcccctc ctcagtgtc tttgtttgct 200
ctgaaagata caaccttgca gtagtttggc ttcgtcatgc agaatgttta 250
aaggccttag gctatatgga gcgagctgct gaaagctatg gcaagggtgg 300
tgatctggcc ccactccatt tggatgcaag gatttcactt tntacccttc 350
agcagcagct gggccagcct gagaaagctc tggaagctct ggaaccaatg 400
tatgatccag atacttttagc acaggatgca aatgctgcac agcaggaact 450
gaagttattg cttcatcggt ctactctggt gttttcacia ggcaaaatgt 500
atggttatgt ggatacctta cttactatgt tagccatgct tttaaaggta 550
```

gcaatgaatc gagc 564

<210> 509

<211> 525

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 49, 54, 110, 162, 221, 263, 275, 292

<223> unknown base

<400> 509

acagtatggt cattcatgct ccaaagaaaa ggagattgag ctttaaatna 50
aatntctcac aagttaggtg atccaggttt tgtgggtcttt gcaacccttg 100
tggtcattgn gcccttgata ttaatcttcg ggggggtcct cgccatggac 150
agacaaacat tnttgatgaca taacaatctg ctctgtaatc ggggcgtttt 200
cagtctcctg tgtgaagggc ntgggcattg ctatcaagga gctgtttgca 250
ggaaagcctg tgntgcggca tcccntgggt ggattctggt gntgagcctc 300
atcgtctgtg tgagcacaca gattaattac ctaaataagg ccctggatat 350
attcaacact tccattgtga ctccaatata ttatgtattc tttacaacat 400
cagttttaac ttgttcagct attcttttta aggagtggca agatatgcct 450
gttgacgatg tcattggtac tttgagtggc ttctttacaa tcattgtggg 500
gatattcttg ttgcatgcct ttaaa 525

<210> 510

<211> 565

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 46, 79, 104

<223> unknown base

<400> 510

ttgcttggtta agctaacagg ggtgcaagct tccatttttg atctantttt 50
aaatacactc agacaggaga aatttggant aattttcaaa ctacagacac 100
ttntaatca tgatgcattt caaaagtggc ctgcaattaa cttgagttgc 150
aaaacatgac agtgcccag gatgataaca ttagcaatga ctccaatgat 200
ttcaccgaag tagaaaatgg tcagataaat agcaagttta tttctgatcg 250
tgaaagtaga agaagtctca caaacagcca tttggaaaaa aagaagtgtg 300
atgagtatat tccagggtcca acctccttag gcatgtctgt ttttaaccta 350
agcaacgcca ttatgggcag tgggattttg ggactcgcct ttgccctggc 400
aaacactgga atcctacttt ttctgggtact tttgacttca gtgacattgc 450

tgtctatata ttcaataaac ctcctattga tctgttcaaa agaaacaggc 500
 tgcattggtgt atgaaaagct gggggaacaa gtctttggca ccacaggga 550
 gttcgtaatc tttgg 565

<210> 511
 <211> 558
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 83, 114
 <223> unknown base

<400> 511
 agtgggcttg aacttcgtga gtttcgcttt aaactgccct tgaaatgaag 50
 tggacttggga ggggcatgga atattcacat ggnagagccg catgaggccg 100
 cccaccacgc ttcntgaagg atgcccgtgg gaagaatttt gacgtgccag 150
 tgtcctcgtt ctacagggtg ttccattctt ccgcaatctc agaaaaatgg 200
 gactaaaaga aacttatttt gtaaaataag aagacttcca tttttaatga 250
 ccaacatgta ttaagatgga cacctactct acgaaacacg aagttctatg 300
 gtctcgaaga agcccgtgcc tgtttgaaac tgatcctaac taaaaacaga 350
 cttgagtggga tatgagaatg ttggttagtgc gcagaagagt caaaaaatgg 400
 cagttaatta ttcagttatt tgctacttgt tttttagcga gcctcatgtt 450
 tttttgggaa ccaatcgata atcacattgt gagccatatt aagtcattat 500
 cttacagata cctcataaat agctatgact ttgtgaatga taccctgtct 550
 ctttaagca 558

<210> 512
 <211> 544
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 25, 53, 63, 78, 111, 150
 <223> unknown base

<400> 512
 tccggaacaa ttataataaa gccancttta acccattgag agcataagga 50
 tgntgcaaag gcncagtgct ggatgganag gacagtgccct ggggcagtca 100
 tggaagactt nttaggagg tgacttttta aggggttttg tgatcaaaan 150
 tatggagtct taagtccaac cagtgggttat gaattccggt tctgccactt 200
 gctataatag ctgtatcacc atgagcgata acttaacctc tttgtgcctc 250
 agtttcttca tatataaaat ggggatcatg atagctctgt cccaggggag 300

```
ttaggaggat taaatgcaac agtaatccaa cccacagtat gaaaagacag 350
gctagcacat acaacacaat ctataaatgt ttgctattat tgtcatcctt 400
tttattagta tatcatggta caagtttgct gggtagaaag atggcgatgg 450
ggaaggggac atttcaggcc aatgtgataa taaaatcaac agacaaaaga 500
agggagagtg tggtgagtag gataaagctc tgtacagatg caag 544
```

```
<210> 513
<211> 118
<212> DNA
<213> Homo Sapien
```

```
<400> 513
  atttaacttt cccctttaaa aggaattggc tatagaactg ctttgtaaag 50
  atgcttcttg atattttact tttgttcctt ttccctaatac attccctttt 100
  ttccccactc ctccagaa 118
```

```
<210> 514
<211> 557
<212> DNA
<213> Homo Sapien
```

```
<220>  
<221> unsure  
<222> 34, 56, 60, 82, 85, 115, 122, 152, 185, 187  
<223> unknown base
```

```
<400> 514
 tcccgtgggg gacttgggat cccagacggt aaantaggag ccggaaagag 50
 ggaggntttt ttcttgccct gaagttgcct gngtntttgt accaccccag 100
 cccccccacc gtggnngggac cntcggcagt gacggcccac agtgccacgt 150
 gntcccagaa cccagagggg aagcatcacg gttcntngtt gacagctccc 200
 agtcacacaa tccccacgtg tcctgtcatt tcctaaacaa ggtttcatca 250
 ccagatttag acccactgc ttttctctct tttctgcttc ttccagagat 300
 ttttttagtg tcttcatttc actggttacc acttctatca tgtttctggc 350
 cctttcttta ttctccttag cctcatgttc tgtggtatcc agttctgact 400
 tgacagacat gagctttttc tcagctttct ccttcatctt ctccagttgg 450
 tctctggatt tgtttagatc ttcaatggct ttagtctggt ccaaagtttt 500
 aatcttcagt tcattgggtg cggccagttt ggctttgagc tcggtgtgca 550
 agtctcg 557
```

```
<210> 515
<211> 348
<212> DNA
<213> Homo Sapien
```

<220>

<221> unsure
<222> 37, 72, 182
<223> unknown base

<400> 515
tcagcctttc tatggaaaca actttgagga tgagccnct ttattaaaaa 50
agttaggtat caattttgac cncatctggc aaaaaacact aacagtatta 100
catccgttaa aagtagcaga tggcagcatc atgaatgaaa ctgatttggc 150
aggtccaatg gttttttgcc ttgcttttgg anccacattg ctactggctg 200
gcaaaatcca gtttggctat gtatacggga tcagtgcaat tggatgtcta 250
ggaatgtttt gtttattaaa cttaatgagt atgacaggtg tttcatttgg 300
ttgtgtggca agtgtccttg gatattgtct tctgcccacg gcggccgc 348

<210> 516
<211> 428
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 86, 307
<223> unknown base

<400> 516
ttcatgggag gacatggaga tcatgggaag catatctatg actataacct 50
aaagctgaag cctgtgtgatg gccagtcctt gattantgag ccagcgtga 100
accactggc caaccggcaa cagatcacgg aatgtttttt tgagcatctg 150
ggtgttcctg ccttctatat gtccatccag gctgtgctgg ctctctttgc 200
tgctggcttc actactggcc ttgtgctgaa ttcaggtgct ggggttacct 250
agagtgtgcc catctttgag gggtactgtc tgcctcatgg tgtgcagcaa 300
ctggatntgg caggccttga cctcaccaac tacctcatgg tgctaataa 350
gaaccatggt atcatgttgc tcagtgttc agacagaaag attgttgaag 400
acatcaagga gagcttttgt tatgtggc 428

<210> 517
<211> 393
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 155, 159, 191, 255, 297
<223> unknown base

<400> 517
atatgtgaaa tattggcagt cgaacatgaa caacgggtcaa gatgttccag 50
gcacataaga ggcgattaga gaggccaggt ttatacacia tataccattt 100
tctgtagtcc ctattgtcat ggttaaatta ttctctaagt gtattctggg 150

tgcanagang catgggctct gtcagtttct gggaaacttt ntgcacccta 200
 taaacacaat atttttcttt gttttcacac attcaccatt ttgctggcac 250
 ctttntgaag tagtggtgtc ccggtatcag cctttgcaat atgttanaga 300
 tgtactgtct gccgcatttt gcaactgggtt tctcttttca tttatgatta 350
 ataatgtgta tacgttattc ctttttatta tctactgtgt aag 393

<210> 518
 <211> 245
 <212> DNA
 <213> Homo Sapien

<400> 518
 cccccgcac cgattttttca aaaaataatt tttctaatta agatatgtgt 50
 atatgtttta acatctttca gaaacataaa attgaatgaa aagagtaatt 100
 tgcagaaaca catgcaatat aatttattgt gcattttttaa acacacaaag 150
 caggactaca tgatgttcat gtgtgcgtgt gtatatatat atatatttaa 200
 acacacagac aggccgggca tgatggctca cgctgtaat ccag 245

<210> 519
 <211> 585
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 48, 54, 66, 128
 <223> unknown base

<400> 519
 gaccactggc ccacccgccca aggattgcct agatgataat ttacaagnac 50
 cacnacttta gatttncctt attgatgtta agataccaaa ccaagtaagt 100
 attaaaatca gccaaacctt ggacattntg ggaatatata atcatttgat 150
 aatgcataag aataggaaaa aattgaatgt gtttatgact aaagttttat 200
 atttgtggta atgttataat gtattattaa atatgttaaa attatttcat 250
 ttttttcccc ttgagaggt aaagcctaatt acttctcccc ttgaatatgg 300
 gctagactta tgagcacatt tctaataaac agagaaagtg gatgtggatg 350
 tgacaatgtg tatgttgga gactagacaa tatcagagat gaacatgatg 400
 gtgaaagaaa ataaaagaag aaagctagtt aataaaaggc accattgttt 450
 cctcctcttc ctctcctcc acctctttaa ctctctctcc ctctctctga 500
 tcaacagctc tagcaaaagc cagatgctat gcggtgcgga ctttcaggca 550
 gctttgcagg gagatacatg tggcaaggaa ctgac 585

<210> 520
 <211> 474

<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 68-69, 214
<223> unknown base

<400> 520
tggcttgtag ccccatccaa ataacagcgg ggaggagcgg agcctgtggt 50
acgcaaccca ttaccccnnt gatgagagaa aacttttata catgaccag 100
gatgactaca aaccatctga tggcctgctg gtgactgtga acggcaaccc 150
cgtggattac cacaccatcc acccaagcct gcccatggag aacggccctg 200
gcaaagccga cctntactcc acccctcagt accggtggga gccctctgat 250
gaatcctcag aaaagcgaga ggaggaagag gaagagaaag aagaatttga 300
agaagaaagg agccgtgagg aaaaaagaag tatcaaagtt catgccatgg 350
tctccgtatt ccaatttatt atgaaacaaa gttacatctg tgccctcata 400
gctatgatgg cctggagcat cacctatcac agctggctga ccttcgtgct 450
gctgatctgg tcgtgcactc tttg 474

<210> 521
<211> 626
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 63, 116, 126, 148, 180, 193, 213, 222, 262
<223> unknown base

<400> 521
gaattttttc gaaaagctaa tgccccattt tggatgtcat ttaccattca 50
ccttttaata ttngggggca ttttgggata aaattatcct gatgtttttc 100
aaciaagact tgaganaaaa taaggngcat tacttttttt ggacattntt 150
cttttagacc tattgtgagg tgtttgcccn ccattagaaa ttncccaaaa 200
tggttgaaaa ttnttaaaca gnagaaggaa gagactcaaa gttagcatca 250
caaagagaaa cncgatgctg gaaagggaga ttgcattctc aatccgggat 300
aatctcatgc agcagaaggc tttcaagtac atgtcagtga ttcaggcttt 350
tctcggttct gttccacaat taattttgca gatgtatatc agtctcacta 400
tacgagaatg gcctttgaat agagcattgc tgatgacatt ttccctgtta 450
tcagttactt atggggccat tcgctgcaat atactggcca tccagatcag 500
caatgatgat actaccatta agctaccgcc gatagaattc ttctgtgtcg 550
tgatgtggcg ttttttggag gttatctcac gtgtagtgac tctggcattg 600

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ttcattgcat ctctgaaact gaagag 626

<210> 522

<211> 566

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 42-43, 100, 103, 116, 142, 216-217, 227, 233

<223> unknown base

<400> 522

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ttgaaaaatt gttttcagtt cacttgtgat ttcttgttta attcactgcn 100
ganaggattc ttttanactt tccaaggatc tttaaagctat cntacctagg 150
aatgagaatt atggtgttcc atgacaactt tgaataagta ttccctaaag 200
ctaagaggaa attctnncaa taatgantcg ggncattgct attttgggaa 250
agtaaaagcg gaaaaagctt gacgacactg aaaggcttgt tgagatggaa 300
caagtcctct cttcacttaa caagatgaga aagacaatag gtggtgtggc 350
tctctggcga cagcaaactt gcgcaattgc aagggttcgc ttgttaaagt 400
taaagcatga aagaaaagct ctttttagcac tgctattaat tctaattggc 450
ggatttttgc ctcttcttgt ggagtatacc atggtgaaaa tatatcaaaa 500
cagttacacc tgggaacttt ctctcattt gtatttcctt gctcctggac 550
aacaaccaca tgaccc 566

<210> 523

<211> 503

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 25, 67

<223> unknown base

<400> 523

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ggaaaaattg aaatgtgttt atgactaaag ttttatattt gtggtaatgt 150
taaaatgtat tattaaatat gttaaaatta tttcattttt ttcccctttg 200
agaggtaaag cctaatactt ctccccttga atatgggcta gacttatgag 250
cacatttcta atgaacagag aaagtggatg tggatgtgac aatgtgtatg 300
ttggaagact agacaatatc agagatgaac atgatggtga aagaaaataa 350
aagaagaaag ctagttaata aaaggcacca ttgtttcctc ctcttcctcc 400

tcctccacct ctttaactct ctctccctct ctctgatcaa cagctctagc 450
 aaaagccagc tgctatgcgg tgcggacttt caggcagctt tgcagggaga 500
 tac 503

<210> 524
 <211> 447
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 39, 43, 96, 344, 418
 <223> unknown base

<400> 524
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 gacaggcagg cagagaatat gttattccca tcctttggcc cacaanattt 100
 atggcagaga tgggtggattt ctttattctc ttctttataa aagcaaccat 150
 tgtcttaagc attatgcacc tcagtgggat aaaggatatc tctaagtttg 200
 ctatgcatta tataatagaa gaaatagatg aagacacatc aatggaagac 250
 ttgcagaaaa tgatggttgt ggcacttata tacagattat tagtttgttt 300
 ctatgagata atttgcattt ggggagcagg tggagctacc ccanggaagt 350
 tcctgctggg gcttcgagtt gtgacatgtg atacatcagt gcttattgca 400
 ccaagtcggg ttttagtnat tccttcctca aatgtagca ttacaac 447

<210> 525
 <211> 539
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 105
 <223> unknown base

<400> 525
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 acaaagttct cccaagattt cagcacgttt gcagcggaaa ttcaggaaac 100
 catcncagca ctcagagagc agataaacia gctggaggca cgcctgaggc 150
 aggcagggtg tacagatggt agaggggttc caaggaaggc cgaggagcgc 200
 tggatgaaag aagactgcac tcaactgcatt tgtgagagtg gccaggtcac 250
 ctgtgtggtg gagatttggt ccccggtctc ctgtcccagt cctgaattgg 300
 tgaaaggaac ctgctgtcca gtttgcagag accgaggaat gccaagtgat 350
 tccccagaga agcgctaata aaagttttgt gctgttgagc cccaaatggg 400
 aaattttctca ggaagagaca tttaggactt cagaactttt aactttagt 450

cacattgttg atatggaaac cactgactta agcaacttag ttcattcta 500

cttacaatata cttacgatct tttatttttt catttttcta 539

<210> 526

<211> 456

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 21, 109

<223> unknown base

<400> 526

gaagtgagga gaaagtttat ntttttcata taatttaagg gtcgtttctg 50

tgaaccattg cttcatgtct ttttcacttt tttcaattgt ctcatattcc 100

tcaaaatana ggcactgttt atgtattaca gagattaggc ctttgtcatt 150

agtcttttcc tgtgaacgag atcacataga ttatttgttt cttttctggc 200

ttttgaattt cagccatcat tttaaaaaat acttccccat ggtttttgtc 250

cagttctttt gtaacttctt gttctccatt tcaatattgg atgtttggct 300

tttgttcctt tgcgtgtttg gtatgcgata tggatcccc ttagtctttt 350

tgtctagcat caatatattt atttttatac tgccttcag attgatgatg 400

atttccagag ttcttggggc tttaatgcct gttgcgttta cagactctca 450

tccggg 456

<210> 527

<211> 500

<212> DNA

<213> Homo Sapien

<400> 527

cttgtgtttt cttcccctcc ctaaatttga agaactatgg agaaaatgg 50

acttgatgac agtagtggtt ttaataggac taacagtacg atggcagtgt 100

ctcttaattc ttattcaggt gctggtaacc cgcctatgtt tgggtgattat 150

gaagctcaga gacactggca agaaataact ttttaatttac cgggtcaaaca 200

atgggtatttt aacagcagtg ataacaattt acagtattgg ggattggatt 250

accacctct tacagcttat catagtctcc tatgtgcata tgtggcaaag 300

tttataaatc cagactggat tgctctccat acatcacgtg gatatgagag 350

tcaggcacat aagctcttca tgcgtacaac agttttaatt gctgatctgc 400

tgatttacat acctgcagtg gttttgtact gttgttgctt aaaagaaatc 450

tcaactaaga aaaagattgc taatgcatta tgcattctgc tgtatccagg 500

<210> 528

<211> 512

<212> DNA

<213> Homo Sapien

<400> 528

ccagaatgaa aaaaaaaagt cttgttggat aatagtgttt gactagcgtt 50
ttaagaactt gagagtaaaa gcaccaataa gattttttca ctttttcctg 100
cttccacccc caaactgaga acatccactc aattgttttg aagaaactgt 150
aggtctatat aaattttatt tataatgtat gtgtaatata cataatcata 200
atacagttct cagatgcagg gaagaagttt ggcatttaat cattgaggct 250
ttaggttttt gatgtgatca gactgggcca tgtcaaacc ggaattttca 300
ccaacagttc actcacctc ctggtacatt gccattccaa ggaattctga 350
gagtaggcaa acaaattttg ccttcatggg acagttctca gtttttctta 400
taggagaaat atggtatatg ttataagaa tcttttatga gattatagat 450
ttcaatgctg tggatagtgt cttgcaccca aacaagaaag tccataatgg 500
aatgatcttc cc 512

<210> 529

<211> 479

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 82, 196

<223> unknown base

<400> 529

tccaagtcct tgaacatctt tgggtttttt ggagtgtcca aacccatgtt 50
cagaaacggc acatggaata ctcatgtaat gnaggaaaag tctatatctg 100
cagctggacc cagccatacc aggagtgatt ttggaaatcc ataccggtt 150
gggattgatc cgatttggaa cttggcttca aacaaactca catttntgaa 200
ctcgtataaa atgaagatgt cggatgatcct ggggaattgtc cagatgggtt 250
ttggtgtcat cctcagcctt ttcaatcaca tatacttcag aagaactctc 300
aacatcattc tgcaatttat ccctgagatg atttttatcc tgtgtctgtt 350
tggatacctg gttttcatga tcattttcaa atggtgctgc tttgacgtcc 400
acgtatctca gcacgcccc agcatcctca tccacttcat caacatgttt 450
ctgtttaact acagtgactc ttccaacgc 479

<210> 530

<211> 513

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 56, 68, 72, 83, 149

<223> unknown base

<400> 530

gccttttagtt tccagctact tggaagggtta aggtaaaagg atcccttttg 50
gcccgnaggt tgaggctnca gnagttgaga tencaccatt gcattccatt 100
ttgggtgaca caagcgagag ctatctcaaa accaaaaagc aagccaaanc 150
ccacccagac caaaaagggtg acttccagggt ctgccccagc taggaacact 200
ccagaaagca gacaaggaaa accgagtgtg aagagtcctt ttggagattg 250
tcatggccat gtgacattcc tttggcctga actcagtcac atgtcccctt 300
cgagatgcag gggggacctg ggaaatgtag tttctggctg ggcagctgct 350
ttccagcaat agcactctac tgcagaagag gagcaggagt ctgtggtgca 400
aagccagcca ggcttgccac agatactgca ccatttacia aaatgctttt 450
acactcattt catttgcttc tcatcacaat ctataccatc agctatactg 500
tcctcatttt tca 513

<210> 531

<211> 513

<212> DNA

<213> Homo Sapien

<220>

<221> unsure

<222> 35, 53, 454, 461, 482

<223> unknown base

<400> 531

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ttntaaaggt gtacaagggg aggggaagggg ggcaaagtcc ttgaacattt 100
tctttggctc ggccatgtta tgatcatata cctttttaa at aaggggaaat 150
agtatcttta aagttaatgt ctagccaaga gtttagtaaa cgaagaatta 200
aactgcactg ttgatcggtg ctttgtgtaa atacatcttt aacatttggg 250
tgagagaggg ccttaagaag gacagttcat ttagaggaaag caattctgta 300
catgagttta agcattcttg ttgcattgtc tctgcagatt ctatttttgt 350
ttacaatatt aaaatgtatg ttagcaaaat ggggtggattt tcaaataaaa 400
tgcagcttcc acaaaagttt tggttatggtt ttctgggtctg agatgcattt 450
tcanttttcc nttctctttt tattatcaat antgtcattt ttcctaata 500
aaatataccc agg 513

<210> 532

<211> 484

<212> DNA

<213> Homo Sapien

<220>

<221> unsure
<222> 35
<223> unknown base

<400> 532
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gtccatggag tgggtggtaa ggtggacagg gggcgggtgg tgatggcgca 100
gtttgacatt gaataccagc gcctagaggc ctctatatagt gattcacccc 150
caggggagga ggacctgttg gtgcacgtcg ccgaggggag caagtcacct 200
tggcaccata ttgaaaacct tgacctcttc ttctctcgag ttataaatct 250
gcaccagaag aatggcttca catgtatgct catcggggag atctttgagc 300
tcatgcagtt cctctttgtg gttgccttca ctaccttctt ggtcagctgc 350
gtggactatg acatcctatt tgccaacaag atggtgaacc acagtcttca 400
ccctactgaa cccgtcaagg tcaactctgcc agacgccttt ttgcctgctc 450
aagtctgtag tgccaggatt caggaaaatg gctc 484

<210> 533
<211> 558
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 93
<223> unknown base

<400> 533
gggtaagtat attcagtgcg ggtaaagact gaatgaatgg gtaccatcaa 50
attgggttaaa tgaagatggg ttttggctca ggaacacaaa gtnttatctt 100
atcctgtgcc aaacactcca gttttgcaat gagattgtga ggaaggagaa 150
ggcaaggatt ctgttccaat gtttgggtccc agaggacctt gaatagtact 200
ttgaccgggt aagcgcttaa taaaataatg cttactctta tgaatttagc 250
tgcagaaaca tttagtccca tagacaatat gtgtagaatg taaaaaatgc 300
aatcttact aaaagaatat acaggaaaag ttctccctac tccttcctga 350
aaggagacca gtgttattag ctcgatcatg agattgtctg tgctcatgca 400
agcatctccc tgcattgatg tcctcttgct ttcgtgcaaa gaatagcatc 450
ctacacacac ctttttagccc cttgcttttc ggttttgtgt attttgcaga 500
ttgggtcatt ttgtgcacac agtgctatct tattcttttt tttgtttgtt 550
tccccctg 558

<210> 534
<211> 462
<212> DNA
<213> Homo Sapien

<220>
 <221> unsure
 <222> 55, 91, 156, 193, 215, 281, 395, 399, 444
 <223> unknown base

<400> 534
 atcatagtgt tttcaaactc cccgtgtaaa agttcccaaa atcccatgtc 50
 acagntgagt cttgggttttg ttgattgggt tgtctcttga nagtgtgtta 100
 ttttttgttt cattatgtgt ctcataatth ttggttgaaa gctaaagcct 150
 tcttgngaag gctagtggag acttgggttaa acactattta tgngcaaaaa 200
 tggacatgcc tttnttttaa ggaggaggca ttgagacaac tctgtcaggt 250
 tttgttggtta gtatgggttac tctcaaaaag nacataattc aaattcttcc 300
 agtattatth ttttgcttag tggttggttt gttggagagt tttctcagt 350
 gtctgttcaa atcacagtta ttggtctttt ctttgtgcct acgtntaana 400
 gaggatatct ttctgtgctt ttaccctcac tcttcagca gtanactgct 450
 gttacttggt cc 462

<210> 535
 <211> 511
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 94, 110, 156
 <223> unknown base

<400> 535
 ctgcccattt ttttgctttt acctggcaag tgtttaaaaa aggcctcaaa 50
 gaaaaggggt ttgtgttgct agttaagcta gcttgtattg tggnggcttc 100
 cttcgttttt tgctggctgc cattctttac agaaaggagc caaccctgc 150
 aggttntaag aagactcttc ccggttgatc gtggattatt tgaggataaa 200
 gtagccaata tttggtgcag cttcaatgtc tttctgaaga ttaaggatat 250
 tttgccacgt cacatccaat taataatgag cttttgtttt acgtttttga 300
 gcctgcttcc tgcattcata aaattaatac ttcagccctc ttccaaagga 350
 ttcaaattta cactgggttag ctgtgcgcta tcattctttt tattttcttt 400
 ccaagtacat gaaaaatcca ttctcttggt gtcactacca gtctgcttag 450
 ttttaagtga aattcctttt atgtctactt ggtttttact tgtgtcaaca 500
 tttagtatgc t 511

<210> 536
 <211> 511
 <212> DNA
 <213> Homo Sapien

<400> 536
 ggtttggttc cccatctgcc atattataag ttttttgagg catccccagc 50
 catgctgaac tggaagtggc actaagggtcc aaaggaagct acatatgggt 100
 ggtccctggt acaccagcct cccaagcctc ccagtgcacc ttctaggaga 150
 caagcaagga aggcgctgc ttgtttggtc tcctgctcat ggcgggtgtac 200
 tgggtgcacgg aggcctgcc gctctcagt acggcgctgc tgcccatcgt 250
 cctcttcccc ttcatgggca tcttgccctc caacaagggtc tgccccagc 300
 acttcctcga caccaacttc ctcttcctca gtgggctgat catggccagc 350
 gccattgagg agtggaacct gcaccggcga atcgccctca agatcctgat 400
 gcttggtgga gtccagccgg ccaggctcat cctgggggatg atggtgacca 450
 cctcggttctt gtccatgtgg ctgagcaaca ccgcctccac tgccatgatg 500
 cttcccatg c 511

<210> 537
 <211> 441
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 51, 70, 105, 134
 <223> unknown base

<400> 537
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 ngaggggcaa aaaaaatan atttgaacac ccagatttta gttttggctc 100
 tgtgnttgca gctagttaca tggcatccag gacnaaagtt tggaaaacaa 150
 aataatggaa ctaaataagta ctaaccaaag tatagggtgc tttatgattt 200
 acagaactct cttacaggca gtatgttggt caggcgccac tagaaccac 250
 gtaatggcag aggcttcctg ttccatgttt aaaaaccttt ccaaggcttt 300
 tcattatattt cttatctgtg gtacccttag cttcctgtgc tctagacaca 350
 ctggcctacc ttcaacttcc ttgaccagt tagcttacag tgtaagctta 400
 cccacacccc ccacctcctg caataaaata gtagcatcgg c 441

<210> 538
 <211> 497
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 56, 76, 126, 175
 <223> unknown base

<400> 538

ggtaatgggc aattaaaatt ttttcggggtc tggatttttaa aaatttatat 50
 taaggnattg aagttccttt tctccnttag gtttaacagt gaattcacat 100
 gagtaatttt taaaagatat cagatncatt ttgctattca aagaaaatta 150
 tgattttaaag ccacttttta aaatncgaga aggaaaatag gatggattaa 200
 aggggttaact tttaaagatt attattgggtt aatgttgaca tatttcctct 250
 atctcataga tggtaaaagt gttgctttta aaaactggca aatgcactct 300
 tcagaaatcc ttttctatct gatccacatg gagagggttaa aggttcaatt 350
 tcatgacctc tatgcaggca gcgctctcat tggatgtaag aatattacct 400
 gcaaggatag aatgcagttg tgcaacagag acacattctt atttcacttt 450
 tttcacaatt ttgttttggt tttaatgacc cttttattga atattgg 497

<210> 539
 <211> 362
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 42, 106, 132, 134, 184, 199, 208, 240, 250, 253, 256, 268, 307,
 318, 355
 <223> unknown base

<400> 539
 aaagggtccg gtccccggcc gaaaccactt ttgatctttc cntctttggg 50
 ctcaaaaaat gtacagggtt tccagggcag ccttgggatt gggccacttc 100
 ctttangatc ctggttcttc ccgttgtctt tnanacggag aagttgcaaa 150
 tggagcaaca gcagcaattg cagcagcggc aganactttt aggcctaana 200
 cagggctntc aggaggaatg ccaggggctt taccctcacn tcctggaaan 250
 atntanattg ttattgcngt ttgagctgtc tcagtgggat aagtttgaaa 300
 ttcaagngtt tgaactgntg aaaattggaa tttttttttt aactttggca 350
 gcaanggggt cg 362

<210> 540
 <211> 441
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 42, 44, 47, 67, 341
 <223> unknown base

<400> 540
 ggtttgcttt gggggtgttt ttggaatatt ttgtgactgc gncntcntag 50
 ggtcactggc attttgntta gctataaatt ataaacagat ggaactttac 100
 cagccttgcc catttttttg ctttttactt ggcaagtgtt ttaaaaaagg 150

ggacttcaac ccgagtaaatt tcctcatcta tgcctgtctg ctgcttggtt 100
 tctgtgctgc tggcccttcg tttggatggc atcatacagt ggagttactg 150
 ggctgtcttt gctccaatat ggctgtggaa gttaatggtc attggtggag 200
 cctcagttgg aactggagtc tgggcacgaa atcctcaata tcgagcagaa 250
 ggagaaacgt gtgtggagtt taaagccatg ttgattgcag tgggcatcca 300
 cttgctcttg ttgatgtttg aagttctggg ctgtgacaga atcgagagag 350
 gaagccattt ctggctcctg gtcttcatgc cgctgttctt tgtttc 396

<210> 544
 <211> 351
 <212> DNA
 <213> Homo Sapien

<400> 544
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 gatcgggtgct ttgtgtaaat acatctttaa catttgggtg gagagggggc 100
 ttaagaagga cagttcattg taggaaagca attctgtaca tgagtttaag 150
 cattcttggt gcattgtctc tgcagattct atttttggtt acaatattaa 200
 aatgtatggt agcaaaatgg gtggattttc aaataaaatg cagcttccac 250
 aaaagttttg ttatgggtatt ctggctctgag atgcattttc atttttcctt 300
 tctcttttta ttatcaatat tgtcattttt ccctaataaa atatacccag 350
 g 351

<210> 545
 <211> 398
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 298, 323
 <223> unknown base

<400> 545
 agtttcatat atttgggaat gagccttgag ccataaaagg ttttcagcaa 50
 gttgtaactt attttggcct aaaaatgagg tttttttgga aagaaaaaat 100
 atttgttctt atgtattgaa gaagtgactt ttatataatg attttttaaa 150
 tgcccaaagg actagtttga aagcttcttt taaaaagaat tcctctaata 200
 tgactttatg tgagaaggga taatacatga tcaaataaac tcagtttttt 250
 atggttactg taaaaaagac tgtgtaaggc agctcagcac catgcttntc 300
 gtaaaagcag cttcaattat ccnctggggg tatcttttga caacttgcca 350
 ttatctgatg ttacacaatt caatagcaag caagtttgag acaatcgc 398

<210> 546
<211> 374
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 43, 99, 102, 129
<223> unknown base

<400> 546
cataaatata cccaccccaa atggacgact tatgaaggaa ttncttgtga 50
aagctcattg gagtaaaatt tcctctcaaa caatactttt aggtcatang 100
cntgagtcta ttaattatth ttctgttana ccctgccaaa aaagaattht 150
aaaagttagt ttatgtthttg tgtaaccatg ttcttcagaa tgcaggtagt 200
tgagcatcat ggthttctggg taattctgct gctcctgtct ttgaaaatgg 250
agataccact tgcagcttat cccactgctg agtattccag cattggtagt 300
ggthttcactc cattgcatcc atccagaact ttcacacagg cctccccga 350
acccttgcg gcgcaagggg ttcg 374

<210> 547
<211> 251
<212> DNA
<213> Homo Sapien

<400> 547
aaaaaaaaaa aattaagtga acctctactt tagaatgttg gctthttcata 50
tatgtacaaa acaaaagagg ttgcagtgat ggcgtggata aaggcacctg 100
tgtactthttc caacctatcc aatttcaaga tgtatcctth gtggattaca 150
ttggthcttht tctatggaat catgcacctt agacctggga gaaaccagcg 200
tgacatccag ggtcaaggtt ttccaatcag gtatthttggg caaggggttc 250
g 251

<210> 548
<211> 331
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 77
<223> unknown base

<400> 548
aaaaaaaaaa aaaaaaagc taaaaaccct tgactaaatc tcccatgtth 50
tctcatatta ttaaaaattc taaacngggg thththttgtt ttgtthttgtt 100
ththctgtthc tccctctgca gagttgttag cggthctcga gatgccactc 150
ttagggthttg ggatattgag acaggccagt gthttacatgt thtgatgggt 200

catgttgcag cagtccgctg tgttcaatat gatggcagga gggttgtag 250
 tggagcatat gattttatgg taaaggtgtg ggatccagag actgaaacct 300
 gtctacacac gttgcagggg catgcggccg c 331

<210> 549
 <211> 228
 <212> DNA
 <213> Homo Sapien

<400> 549
 aaattatctt tactgatatg cgttgccaaa tcccatgaga aaagacatct 50
 catttgaggt tccccttcct ctcatgtggt tgattttttg gaaggatgata 100
 cagatgtggg taaccatgca aatgtttatg aataacttta ctgaagtgat 150
 tccatccgta ttctgttcta atacttggag aatgaccttc atatttatat 200
 attttatttc ttgttttcaa ctatccag 228

<210> 550
 <211> 461
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 21
 <223> unknown base

<400> 550
 tgaagatatg ggagacctat ncttagatgt tgctgaagct tttctgatgt 50
 tgggaatata attctgcact tcccctcctc agggctcttg ttgctctga 100
 aagatacaac cttgcagtag ttttggcttc gtcatgcaga atgtttaaag 150
 gccttaggct atatggagcg agctgctgaa agctatggca aggtgggtga 200
 tctggcccca ctccatttgg atgcaaggat ttcactttct acccttcagc 250
 agcagctggg ccagcctgag aaagctctgg aagctctgga accaatgtat 300
 gatccagata ctttagcaca ggatgcaa atgctgcacagc aggaactgaa 350
 gttattgctt catcggttcta ctctgttggt ttcacaaggc aaaatgtatg 400
 gttatgtgga taccttactt actatgttag ccatgctttt aaaggtagca 450
 atgaatcgag c 461

<210> 551
 <211> 205
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 23, 41, 66
 <223> unknown base

<400> 551

tggaccccag ttgtcagctg ggnggtactg gatcatcttt nttctatcac 50
 aagataaact atcaanttcc ccagcatcat gaccttggtg ccgtaaaaag 100
 gagttcacta cttctgttca ctttgagtct cttcaaattg attctgtgtc 150
 ctccctctgga gtctgtgctg catttattgc ttctgactct tccactaagc 200
 cagag 205

<210> 552
 <211> 331
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 39, 55, 66, 81, 90, 162, 164, 166, 170, 206, 245
 <223> unknown base

<400> 552
 ctaaagggga agaagaaaaa gaaaggattg gtcttgctnt aaggggtaga 50
 aaagngcaag ggaancagg aaaggaaggc nccctacggn gtaattatga 100
 aaatgcattg gaacttctgt ctgatgtttt gctttttttt tcatttctca 150
 aaatatttct anananggtn ttaatccttc ttccaccatt tgcttttagtt 200
 ttaagngccc tgtgtgatag aaggggtcat gttgtaaaat cagtnttgaa 250
 taatcagaac acttctacca gattgtctaa tggtgatttg tttctggcac 300
 tgcttctaaa tgtcttcctc ctcattctgc g 331

<210> 553
 <211> 370
 <212> DNA
 <213> Homo Sapien

<220>
 <221> unsure
 <222> 60, 64, 74, 101, 117, 142, 188, 290
 <223> unknown base

<400> 553
 taaaagaaaa gctaaagttt tactgtggcc aaaaaacccc tacatggtct 50
 ggggactggn ggtntctttg accntatctt tgaccacttt tcttttttca 100
 nttttctcaa ggcacanctg gcctcctttt tgctcctggc antgggaaga 150
 cttgttccta cttcagggtc ttcatgtttg ttcttccttc tgctttgaac 200
 acccaccttt ctccaagtg ttccaggcag atggagtatg cacatggctc 250
 actcttttac tttttaagtc tctgctcaaa agcaaatttn tcagccatgg 300
 ctttcttgag caccctatct aaaattgctt tcctactcct acatggctgt 350
 tctcctttgc ttaccaccac 370

<210> 554
 <211> 310

<212> DNA
<213> Homo Sapien

<400> 554
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tctgcaaaga atgtccaaaa attcatattc acattgatcg tatggcaaaa 100
agatgtccca gaagaacaag aacatatgag aagatggctg catgaacgtt 150
tcgaaatcaa agataagatg cttatagaat tttatgagtc accagatcca 200
gaaagaagaa aaagatttcc tgggaaaagt gttaattcca aattaagtat 250
caagaagact ttaccatcaa tgttgatctt aagtggtttg actgcaggca 300
tgcttatgac 310

<210> 555
<211> 202
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 30, 39, 62, 79, 109, 129
<223> unknown base

<400> 555
ccttattttc cattccaaat ggcagccagn ataaaattna tttcccacaa 50
tttcccttta anggtaaggg ttgcccttnc cgcaatgccc ctcacatggg 100
tcttttggnc agttcggaag cccttgggnt cttgatggct ttgtgtctag 150
taataatgca ggggtgctcaa ggaaataaat tcagtgtgga tatactgaaa 200
ac 202

<210> 556
<211> 536
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 159
<223> unknown base

<400> 556
gggccggaat aagccattag caatccttgc tgtatccagg ccttattttt 50
tatagactat ggacattttc aatataattc tgtgagtctt ggctttgctt 100
tgtgggggtgt tcttgaata tcttgtgact gcgacctcct agggtcactg 150
gcattttgnt tagctataaa ttataaacag atggaacttt accacgcctt 200
gccatttttt tgctttttac ttggcaagtg ttttaaaaaa ggcctcaaag 250
gaaagggggtt tgtgttgcta gttaagctag cttgtattgt tgtggcttcc 300
ttcgttctct gctggctgcc attctttaca gaaaggaac aaacctgca 350

ggttctaaga agactcttcc cggttgatcg tggattattht gaggataaag 400
tagccaatat ttggtgcagc ttcaatgtct ttttgaagat taaggatatt 450
ttgccacgtc acatccaatt aataatgagc ttttgthtta cgtttttgag 500
cctgcttcct gcatgcataa aattaatact tcagcc 536

<210> 557
<211> 488
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 68, 118
<223> unknown base

<400> 557
aaatcttctt gagctttgtt ttgagatgta gttgagttaa cttataaacc 50
gtttcattct tttgggtntt gtttttatga tttattagac agatatgaag 100
gagtgccttag tccagganta attattcctc accactgagg caagactttc 150
tgtggactct gttgaatgtt ccatgaatta atagttttcc cagtttggct 200
agtgggaaca gatactattc ctggctttgt atgagtatca ggccctgttc 250
cctcccattg tttctgatgt tctttttctg gattctcata gtttcctcat 300
atgcatatgc tgatcagtta tctggtgaat gcttgagaga agatctctat 350
agacctctgg ggthcttttc tatgcaactg tctcctctca gcattctgtg 400
cagttattcc ttgctgcttt tttctctcct ggctcttaac tttctctttc 450
caactcagga gtcagctgag atttgccctca gttgccac 488

<210> 558
<211> 728
<212> DNA
<213> Homo Sapien

<220>
<221> unsure
<222> 26, 40, 59, 97, 108, 117, 141, 156, 163, 169, 192, 215, 266, 482,
484, 558
<223> unknown base

<400> 558
ttgcccttgg gagtaaacct tgaatnattht taaaaaaacn acggttttaa 50
accttggcna ccgttgggtt gaggccttga ccaccttgg gacacctgc 100
aagaggantc caaccnaaa caacaaccag gatgtgctcc nagcccagcc 150
cggggnttca gtnccatant ttgccatgtg tctgtccaga tntgggggtt 200
agcgggggggt ggggntgcaa cccagtggat tgggtcaccc ggcagactta 250
gggaagggtga ggcgangtgg ggagttggca gaatcccat acctcgcaga 300
tttgctgagt ctgtcttgtg cagagggcca gagaatggct tatgggggcc 350

cagggttgat ggggaaaggc taatgggggc agaccccacc ccgtctaccc 400
 ctccagtcag cccagcgccc atcctgcagc tcagctggga gcatcattct 450
 cctgctttgt acataggggtg tgggtcccctg gnangtggcc accatcatgt 500
 ctaggcctat gctaggaggc aaatggccag gctctgcctg tgttttttctc 550
 aacactantt ttctgatatg agggcagcac ctgcctctga atgggaaatc 600
 atgcaactac tcagaatgtg tcctcctcat ctaatgctca tctgtttaat 650
 ggtgatgcct cgcgtacagg atctgggttac ctgtgcagtt gtgaataccc 700
 agaggttggg cagatcagtg tctctagt 728

<210> 559
 <211> 586
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 34, 68, 70, 113, 119, 150, 291, 312
 <223> unknown base

<400> 559
 atccggctgg gatacaattt tcattctcca ttnactctt gtcaattcca 50
 ccttttaaga agacagcntn tcattcctga ggcatgaaaa ttctccaggg 100
 acaaagccat gcntcagtna catgtgtgtg cagagagaaa tgcacctgtn 150
 tatctaaggg tagatttttg atccctgaat aattcattga ctaaactgac 200
 ctcttcctcc tggctaaata aattaatttt gctggcttct ctctcagcgg 250
 tttctatttt gttaaattgct gcatgaccaa aatagcccca ntcaaaatca 300
 attggattaa tnttaatggg ttgggttgat gaatattctt ggatgaatat 350
 aaaatgtgct gcccttcaca gatgacacca ctcccctgtc aatcatagca 400
 catgtgtact ttttattggt acttaatagt gatggatttg cactttttcta 450
 tcctcatact ctttcctggt ttcttctttg tacaattgca tgcaggaggg 500
 ctggatgcca gggttaagag agaaattcat gacaaggaag gtaaaattgg 550
 ttcaaatgag catgtgtccc acagccttag tctccc 586

<210> 560
 <211> 648
 <212> DNA
 <213> Homo Sapien
 <220>
 <221> unsure
 <222> 71, 102, 113, 149, 157
 <223> unknown base

<400> 560
 ccgggaaatt aagccctttt ttttttttca aataataaaa gcttcgaaat 50

